FINAL PCB ABATEMENT REPORT

Runkle Elementary School
50 Druce Street
Brookline, Massachusetts

Prepared for

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On Behalf of

Town of Brookline
333 Washington Street
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February 2013

CDW Project #1211.00

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I INTRODUCTION

CDW Consultants, Inc. has prepared this Final Abatement Report on behalf of Town of Brookline, John D. Runkle Elementary School ("Site"), to comply with U.S. Environmental Protection Agency (EPA) requirements for a Performance and Risk-Based clean-up and disposal per 40 CFR Part 761.61(a) (b) (c). This report describes the characterization and post-abatement data collected, and details of the remedial actions conducted for polychlorinated biphenyl (PCB) bulk product waste (original caulking) and PCB remediation waste (impacted building materials) at the Site. This work was conducted as part of selective demolition, Performance and Risk Based Clean up and Disposal under 761.61(a) (b) (c) and 761.62(a).

The Site is located on a 133,088 square foot parcel of land located at 50 Druce Street in Brookline, Massachusetts. The Site property is surrounded by residential areas. The subject building is a 67,000 square foot elementary school, which opened in 1963.

The Site is identified as by the Brookline Assessor's office as parcel 245-01 located at 42° 33' 31" N latitude and 71° 14' 20" W longitude (Universal Transverse Mercator (UTM) coordinates 46.89089 northing and 32.3543 easting. A Site Locus Map is provided as Figure 1.

Renovations (not including PCBs) and asbestos abatement at the Site have been completed, which increased the school building from 67,000 square feet to 105,000 square feet. The renovations added meeting space, a larger cafeteria, new classrooms, conference rooms, new gym, library and multipurpose rooms and improvements for ADA accessibility. The project was comprised of 53,000 square feet of comprehensive renovation and 52,000 square feet of new construction. The renovation and construction are now complete and the school re-opened in October 2012.

II ABATEMENT PROCEDURES

This final abatement report was developed to describe the testing and abatement of PCB-affected media that was encountered during pre-renovation studies at the Site. PCBs had been detected in original caulking related to windows and exterior doors. Adjoining brick in areas where the caulk with elevated PCBs was located did not contain PCBs greater than 50 parts-per-million (ppm), as outlined in the PCB Abatement Plan dated April 2011.

Abatement was completed for PCB Bulk Product Waste and PCB Remediation Waste. The PCB Bulk Product Waste was removed and disposed of off-site in accordance with 40 CFR 761.62. The PCB Remediation Waste (brick, windows, door frames, etc.) was removed in compliance with a self-implementing cleanup and disposal (40 CFR 761.61(a)) and/or a risk-based cleanup and disposal request (40 CFR Part 761.61(c)).

1.0 GENERAL OVERVIEW OF ABATEMENT

The abatement procedures at the site included removal of PCB caulking, PCB remediation wastes, adjacent building materials, and encapsulation of structural materials.

All caulking encountered or disturbed within the work area, specifically at windows, doors, vents, and curtain wall joints, was removed and disposed of off-site as a > 50 ppm PCB waste (State-listed hazardous waste). PCB remediation wastes including brick, window and door frames, and steel lintels were removed and disposed of off-site.

Remediation of adjacent building materials was conducted in accordance with 40 CFR 761.61. Window and door frames, steel lintels and components coated or in direct contact with ≥ 50 ppm PCB caulking were segregated and removed for disposal with the caulking and brick inside the cut line as ≥ 50 ppm PCB waste. All components of the window, door system or louver were managed for disposal as PCB waste ≥ 50 ppm without waste stream segregation.

Encapsulation of structural brick was carried out where it was structurally infeasible to remove brick next to the curtain window wall system. After caulking >50 ppm PCBs was removed, the brick was sealed with an elastomeric acrylic encapsulant. Encapsulation was completed in areas following post-abatement sampling, and removal of non-structural PCB-containing materials. As part of the encapsulation strategy, long-term monitoring of the window curtain walls will be conducted in accordance with the operation and maintenance (O&M) Plan. A copy of the O & M plan is provided in **Attachment A.**

1.1 PCB Caulk and Brick Remediation Methods

Where brick sampled at a one-inch cut line contained concentrations of PCBs less than 1 ppm, materials within this cut line were removed and disposed of as PCB regulated waste at a TSCA approved landfill. This included all caulking, brick, window and door frames and lintels. This occurred at the window at the northeast elevation, windows as the southwest elevation, the door at the southeast elevation, and the louver at the west elevation. Following removal of PCB-containing materials, these areas were reconstructed for replacement windows and doors.

Where brick sampled at a one-inch cut line contained concentrations of PCBs greater than one ppm, materials within a two-inch cut line were removed and disposed of as PCB regulated waste at a TSCA approved landfill. This included all caulking, brick, window and door frames and lintels. This occurred at the windows and doors at the north elevation. Following removal of the PCB-containing material, confirmatory sampling was conducted to ensure the remaining masonry had PCB concentrations below 1 ppm. Where confirmatory samples had concentrations greater than 1 ppm, the areas were saw cut and removed as PCB regulated waste. After confirmation, this area was reconstructed for replacement windows and doors.

In locations where caulking samples indicated that no PCBs were detected, but the laboratory detection limits were above 1 ppm, all caulking was removed. Following the removal of the caulking, confirmatory samples of the surrounding masonry were conducted. Where confirmatory samples had concentrations greater than 1 ppm, specifically at openings at the north elevation, the areas were saw cut and removed as PCB regulated waste prior to demolition.

The work areas were sealed off with solid critical barriers such as plywood. All openings, including but not limited to corridors, doorways, windows, skylights, ducts, grills, diffusers, and any other penetrations of the work areas, were covered with 6 mil polyethylene sheeting and sealed with duct tape. Polyethylene containment was set up in each work area with High Efficiency Particulate Air (HEPA) filter air-purifying devices to control dust. A containment area was prepared at each location to be removed. The containment consisted of 6 mil polyethylene sheeting framed around plywood 2"x4" framing to encompass the scissor lift. The ground was also covered with 6 mil polyethylene sheeting to collect any fugitive dust and remnant water. The polyethylene was shored to contain the water for drumming.

Abatement personnel donned the appropriate personal protective equipment (PPE) for asbestos abatement including a combination of NIOSH P100 and gas vapor respirators, chemical resistant gloves, Tyvek suits and eye protection. Prior to commencement of work, danger signs were posted in and around the work area. The exterior abatement work area was fenced off with danger signs.

Prior to any PCB abatement work, the proposed work areas were cleaned using HEPA filtered vacuum equipment and wet cleaning methods as appropriate. All cloths and filters were disposed of as contaminated waste. Surface preparation for caulking removal included surficial wetting with amended water (i.e. water/soap mixture) of visibly dry and/or deteriorating caulking to minimize dust generation.

Caulking was removed from the joints using a combination of mechanical and physical means. All removed caulking was transported off-site and disposed of in accordance with 40 CFR 761.62 as bulk product waste. Saw cutting of the brick occurred either using water misting as a dust suppressant or powered tools equipped with appropriate tool guards and dust/debris collection systems (i.e.,HEPA filters).

Equipment and tools used in this process were decontaminated through spraying and wet wiping. At the completion of the project, any non-disposable equipment and tools that handled PCB material were decontaminated following the procedures described in 40 CFR 761.79c.

Any debris collected on the polyethylene sheeting was gathered and placed in the > 50 ppm PCB waste containers at the end of each work day. All removed caulking and associated debris was transported for off-site disposal as > 50 ppm PCB wastes in accordance with 40 CFR 761 Subpart D requirements.

1.2 Encapsulation

Curtain wall window systems at the northeast and southwest elevations contained caulking at joints between the structural brick and metal beam. The caulking at these joints contains PCBs at concentrations between 500 and 670 ppm. Brick samples collected one inch from the caulking did not contain PCBs at concentrations > 1 ppm. According to the Project Architect Design Partnership of Cambridge, it was structurally infeasible to remove the brick next to curtain window wall system since it would collapse. Therefore these joints were encapsulated after caulking removal as the remediation method.

After caulking was removed, confirmatory brick samples were collected every 5 feet vertically along each joint. A number of the brick samples contained concentrations of PCBs greater than 1 ppm, resulting in encapsulation of the brick surface. The sample results are discussed in Section 2.0.

Prior to the application of the encapsulant, all surfaces were prepared so that they are dry and clean. Two coats of an elastomeric acrylic coating were directly applied to the building joint and structural brick surfaces to the corner of the metal beam, approximately one inch away from the joint based upon preliminary brick sample results.

Wipe samples of the encapsulated surfaces were collected after the application of the coating at one sample per ten linear feet for a total of 60 verification samples. Wipe samples were collected in accordance with 40 CFR 761.123. If the analytical results showed concentrations greater than 10 µg/100 $cm^{2,}$ additional application of the coating was required, followed by additional wipe testing. The analytical results of the wipe samples showed concentrations lower than 10 µg/100 cm^2, therefore the encapsulation of the curtain wall area were complete. The sample results are discussed in Section 2.0.

1.3 Perimeter Air Monitoring

During abatement activities, particulate matter in the form of potentially PCB affected dust was generated. Dust control measures included the use of engineering controls (e.g. wet techniques and misting), containment, and personal protective equipment.

In addition, particulate air/dust monitoring was conducted during intrusive or dust generating activities in the area immediately outside of the containment structures. Particulate concentrations were utilized as an indirect indicator of exposures to on-site receptors. Dust concentrations were measured using a suitable real time aerosol particulate monitor capable of determining ambient air fugitive dust concentrations to 0.001 milligrams per cubic meter (mg/m3). Air monitoring was conducted while active removal activities were occurring and at a frequency of one reading per hour of activities.

Prior to the active removal actions, dust concentrations were recorded to document background concentrations. If total particulate concentrations exceeded the action limits and were sustained (i.e. greater than 5 minutes) then the following actions were taken. The containment was visually inspected for any points of failure and repaired, as needed. Additional dust suppression techniques to mitigate fugitive dust were initiated.

The dust suppression techniques involved the application of a fine mist of water over the area creating the fugitive dust condition. The water was applied either by small hand held sprayers. The water source for dust suppression activities was from the building water supply. In the event that the total of airborne particulate could not be maintained below the action limit, work activities were ceased until sustained readings are below the action limit or the work area designation is re-evaluated.

A total airborne particulate action limit was established for the building material removal work to be conducted with consideration of the specific receptors, PCB concentrations, work activities, and OSHA permissible exposure limits. The action limit applies only to air monitoring outside of the work area; an action limit was not been set for the active work zones (exclusion zones) as engineering controls and PPE were used within these zones. The dust monitoring results are discussed in Section III.

2.0 SAMPLE COLLECTION, ANALYSIS AND USABILITY

All pre-abetment samples were summarized in the PCB Abatement Plan dated April 2011. In accordance with the EPA requirements for this Final Abatement Report the pre-abatement characterization is also summarized within this report. The results of pre and post abatement characterization are summarized in Section III.

3.0 WASTE STORAGE AND DISPOSAL

Containers were staged for the collection of PCB wastes generated during the work activities in accordance with 40 CFR 761.65. The roll-off containers were staged near the work areas; and upon filling they were transported off-site for disposal at an EPA approved landfill. All containers were properly labeled and marked in accordance with 40 CFR 761.40. All caulking, brick, windows, lovers and doors classified as ≥ 50 ppm PCB wastes were transported under a hazardous waste manifest to the appropriate landfill.

All windows, doors and louvers along with associated caulk and a minimum of brick within the cut line were packaged as PCB waste and placed into a storage rental provided by Complete Recycling Solutions, LLC of Fall River Massachusetts. Any debris (dust, rags, PPE,) collected on the polyethylene sheeting were gathered and placed in the > 50 ppm PCB waste containers at the end of each work day.

Any water generated during decontamination (or as part of dust suppression) that was collected

on polyethylene sheeting was containerized on-site, sampled, and designated for off-site disposal in accordance with 40 CFR 761.79. All Waste was transported by Michigan Disposal to their facility located at 49350 North I-94 Service Drive, Belleville, Michigan, EPA ID # MID 000 724 831 under hazardous waste manifest. Copies of all manifests, waste shipment records, and certificates of disposal are included in **Attachment B.**

4.0 CONCEPTUAL MONITORING AND MAINTENANCE PLAN

The areas of brick that cannot be removed (curtain walls) are contained behind a barrier or encapsulant to prevent direct contact with PCBs and/or potential migration effects to other media. As noted, the PCB caulking was removed, but the remaining brick could not be removed. Therefore the brick was encapsulated. The on-site encapsulation of PCB remediation waste is an interim solution designed to shield impacted materials from the effects of weathering and leaching mechanisms, thereby eliminating potential exposure pathways and mitigating the potential for PCB transfer via direct contact and/or leaching to other media/materials. Accordingly, there will be no resulting exposure to PCBs in the contained brick, resulting in conditions protective of human health and the environment. A copy of the O & M Plan are included in **Attachment A.**

III SUMMARY OF INVESTIGATIONS

1.0 CHARACTERIZATION SAMPLING

Pre Abatement sampling of suspect PCB-containing materials was carried out prior to abatement to characterize the concentration and location of PCBs. All laboratory analytical reports and sample locations are provided in the PCB Abatement Plan, dated April 2011. All results are summarized below.

1.1 Caulking Sampling

As part of a hazardous materials survey, Yee Consulting Group, Inc. (YCGI) conducted a materials survey for suspect PCB-containing materials on June 7, 2010 in preparation for planned renovations. YCGI collected a total of fourteen (14) samples from caulking associated with windows, doors, vents and seams. The collected samples were submitted to Con-Test Analytical Laboratory in East Longmeadow, MA (Massachusetts Analytical Laboratory ID# M-MA100) for analysis. The PCB analysis was performed according to SW-846 8082.

The YCGI Report containing the laboratory analytical report and sample locations was included in the PCB Abatement Plan dated April 2011. The results of this sampling are presented in Table 1.

TABLE 1: Caulking Testing Results – June 7, 2010 (Yee Consulting Group, Inc.)

Sample ID	Description	PCBs Present	Result (mg/kg)	Detection Limit (mg/kg)
1	Exterior Caulking on Flagstones by Main Entrance	NA	ND	1.9
2	Exterior Light Gray Caulking Between Newer Window and Brick, Facing Druce Street	Aroclor 1248 Aroclor 1254	630 120	34
3	Exterior Top Gray Caulking Between Older Window and Brick, Facing Druce Street	Aroclor 1248	10,000	400
4	Exterior Bottom Brown Caulking (Under Top Gray Caulking) Between Older Window and Brick, Facing Druce Street	Aroclor 1248	62	17
5	Exterior Caulking Within Metal Door Frame, Facing Chesham Road	Aroclor 1248 Aroclor 1254	11 3.8	1.9
6	Exterior Dark Gray Caulking Between Metal Window Frame and Brick, Facing Chesham Road	Aroclor 1248 Aroclor 1254	8,100 2,800	380
7	Exterior Caulking on 1-Foot by 4-Foot Vent, Facing Chesham Road	NA	ND	1.9
8	Exterior Caulking on Door Facing Clinton Road	Aroclor 1248 Aroclor 1254	180 200	36
9	Exterior Brown Joint Caulking Between Main Building and Addition, East Side	NA	ND	17
10	Exterior Caulk on Door Within Metal Window Frame North Side Lobby	NA	ND	19
11	Exterior Caulking Between Metal Door Frame and Brick, North Side Lobby	NA	ND	1.9
12	Exterior Light Gray Caulking Between Newer Window and Brick, North Side of Building	NA	ND	40

TABLE 1: Caulking Testing Results – June 7, 2010 (Yee Consulting Group, Inc.)

Sample ID	Description	PCBs Present	Result (mg/kg)	Detection Limit (mg/kg)
13	Exterior Caulking Between Door Frame and Concrete, Lower Level of Loading Dock	Aroclor 1248	17,000	950
14	Interior Caulking Between Window and Brick, Main Office	Aroclor 1248	23,000	970

On March 25, 2011, CDW collected two caulking samples at the curtain walls. The samples were submitted to Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut (ID # MA-CT-007) for analysis of PCBs via Soxhlet 3540C/8082. The laboratory analytical report and sample locations was included in the PCB Abatement Plan dated April 2011. The results of this sampling are presented in Table 2.

TABLE 2: Caulking Testing Results – March 25, 2011

Sample ID	Description	PCBs Present	Result (mg/kg)	Detection Limit (mg/kg)
Caulk-1	Curtain Wall Between Metal Beam and Brick	Aroclor 1248	670	170
Caulk-2	Curtain Wall Between Metal Beam and Brick	Aroclor 1248	500	160

On June 16, 2011, CDW collected five caulking samples between metal panels and metal window frames. The samples were submitted to Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut (ID # MA-CT-007) for analysis of PCBs via Soxhlet 3540C/8082. The results of this sampling are presented in Table 3. The laboratory analytical report and sample locations was included in the PCB Abatement Plan dated April 2011.

TABLE 3: Caulking Testing Results – June 16, 2011

Sample ID	PCBs Present	Result (mg/kg)	Detection Limit (mg/kg)
Caulk-1	Aroclor 1254	0.37	0.32
Caulk-2	Aroclor 1254	1.1	0.33
Caulk-3	NA	ND	0.32
Caulk-4	NA	ND	0.33
Caulk-5	NA	ND	0.33

1.2 Porous Material Brick and Concrete Sampling

On November 23, 2010, CDW collected six brick samples adjacent to the caulking samples collected on June 7, 2010 by YCGI. The caulking adjacent to the brick sample locations had concentrations of PCBs greater than 50 ppm. The brick samples were collected by drilling approximately one-quarter inch into the brick using mist to control dust.

The brick samples were submitted to AmeriSci Boston analytical laboratory in Weymouth, Massachusetts (Massachusetts Analytical Laboratory ID# M-MA069) for analysis. The PCB analysis was performed according to EPA Method 8082 by GC.

Two of the brick samples have concentrations of PCBs above the EPA limit of 1 ppm by dry weight. The results of this sampling are presented in Table 4. The laboratory analytical report and sample locations was included in the PCB Abatement Plan dated April 2011.

TABLE 4: Brick Testing Results – November 23, 2010

Sample ID	Description	PCBs Present	Result (mg/kg)	Detection Limit (mg/kg)
1	Brick Adjacent to Exterior Caulking on Door Facing Clinton Road (YCGI Sample 8)	NA	ND	0.495
2	Brick Adjacent to Exterior Light Gray Caulk Between Newer Window and Brick, Facing Druce Street (YCGI Sample 2)	NA	ND	0.373
3	Brick Adjacent to Interior Caulk Main Office Window Frame (YCGI Sample 14)	Aroclor 1248	1.93	0.446
4	Brick Adjacent to Exterior Gray Caulk Facing Chesham Road (YCGI Sample 6)	NA	ND	0.298
5	Brick Adjacent to Exterior Caulk Lower Level Loading Dock (YCGI Sample 13)	Aroclor 1248	20.9	1.740
6	Brick Adjacent to Exterior Top Gray Caulk Facing Druce Street (YCGI Sample 3 and 4)	Aroclor 1248	0.6	0.287

On March 1, 2011, CDW collected 14 brick samples from around the windows and door in the boiler room. The samples were submitted to EMSL Analytical, Inc. of Westmont, NJ for analysis of PCBs via Soxhlet 3540C/8082. The results of this sampling are presented in Table 5. The laboratory analytical report and sample locations was included in the PCB Abatement Plan dated April 2011.

TABLE 5: Brick Testing Results – March 1, 2011

Sample ID	Description	PCBs Present	Result (mg/kg)	Detection Limit (mg/kg)
1	Brick 1 – 1" Upper Window	NA	ND	0.98
2	Brick 2 – 4" Upper Window Left	NA	ND	0.97
3	Brick 2A – 4" Upper Window Bottom	NA	ND	0.93
4	Brick 2B – 4" Upper Window Right	NA	ND	0.92
5	Brick 2C – 4" Upper Window Top	NA	ND	1.0
6	Brick 3 – 4" Door	NA	ND	0.90
7	Brick 4 – 4" Upper Louver Left	NA	ND	0.99
8	Brick 4A – 4" Upper Louver Right	NA	ND	0.99
9	Brick 4B – 4" Upper Louver Bottom	NA	ND	0.96
10	Brick 4C – 4" Upper Louver Top	NA	ND	0.95
11	Brick 5 – 4" Lower Window Left	NA	ND	0.93
12	Brick 5A – 4" Lower Window Bottom	NA	ND	0.85
13	Brick 5B – 4" Lower Window Right	NA	ND	0.91
14	Brick 5C – 4" Lower Window Top	NA	ND	0.98

From March 23, 2011 to March 25, 2011, CDW collected 86 brick samples at all openings (windows, doors and vents) that had caulking in contact with the brick. The samples were collected one inch laterally away from the caulking. These included the areas where samples were collected in November of 2010.

In areas where there was no suspect PCB-containing caulk (lack of caulking or rubber or steel lintels), masonry samples were not collected. The brick samples were submitted to Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut (ID # MA-CT-007) for analysis of PCBs via Soxhlet 3540C/8082. The results of this sampling are presented in Table 6. The laboratory analytical report and sample locations was included in the PCB Abatement Plan dated April 2011.

TABLE 6: Brick Testing Results – March 23-25, 2011

Date	Sample ID	PCBs Present	Result (mg/kg)	Detection Limit (mg/kg)
03/23/11	B-1	NA	ND	0.34
03/23/11	B-2	NA	ND	0.36
03/23/11	B-3	NA	ND	0.2
03/23/11	B-4	NA	ND	0.22
03/23/11	B-5	NA	ND	0.23
03/23/11	B-6	NA	ND	0.5
03/23/11	B-7	NA	ND	0.23
03/23/11	B-8	NA	ND	0.28
03/23/11	B-9	NA	ND	0.35
03/23/11	B-10	NA	ND	0.17
03/23/11	B-11	NA	ND	0.36
03/23/11	B-12	NA	ND	0.2
03/23/11	B-13	NA	ND	0.2
03/23/11	B-14	NA	ND	0.27
03/23/11	B-15	NA	ND	0.29
03/23/11	B-16	NA	ND	0.21
03/23/11	B-17	NA	ND	0.24
03/23/11	B-18	NA	ND	0.48
03/23/11	B-19	NA	ND	0.37
03/23/11	B-20	NA	ND	0.23
03/23/11	B-21	NA	ND	0.23
03/23/11	B-22	NA	ND	0.22
03/23/11	B-23	NA	ND	0.34
03/23/11	B-24	NA	ND	0.26
03/24/11	B-25	NA	ND	0.37
03/24/11	B-26	NA	ND	0.29
03/24/11	B-27	NA	ND	0.44
03/24/11	B-28	NA	ND	0.34
03/24/11	B-29	NA	ND	0.24
03/24/11	B-30	NA	ND	0.32
03/24/11	B-31	NA	ND	0.5
03/24/11	B-32	NA	ND	0.3
03/24/11	B-33	NA	ND	0.36
03/24/11	B-34	NA	ND	0.35
03/24/11	B-35	NA	ND	0.23
03/24/11	B-36	NA	ND	0.27

TABLE 6: Brick Testing Results – March 23-25, 2011

Date	Sample ID	PCBs Present	Result (mg/kg)	Detection Limit (mg/kg)
03/24/11	B-37	NA	ND	0.3
03/24/11	B-38	NA	ND	0.24
03/24/11	B-39	NA	ND	0.31
03/24/11	B-40	NA	ND	0.35
03/24/11	B-41	NA	ND	0.3
03/24/11	B-42	NA	ND	0.21
03/24/11	B-43	NA	ND	0.32
03/24/11	B-44	NA	ND	0.26
03/24/11	B-45	NA	ND	0.37
03/24/11	B-46	NA	ND	0.26
03/24/11	B-47	NA	ND	0.25
03/24/11	B-48	Total PCBs	1.1	0.26
03/24/11	B-49	Total PCBs	0.4	0.22
03/24/11	B-50	Total PCBs	0.91	0.32
03/24/11	B-51	Total PCBs	0.81	0.39
03/24/11	B-52	NA	ND	0.78
03/24/11	B-53	Total PCBs	0.44	0.22
03/24/11	B-54	NA	ND	0.28
03/24/11	B-55	Total PCBs	0.38	0.32
03/24/11	B-56	Total PCBs	0.87	0.4
03/24/11	B-57	NA	ND	0.35
03/24/11	B-58	NA	ND	0.47
03/24/11	B-59	NA	ND	0.34
03/24/11	B-60	NA	ND	0.39
03/25/11	B-61	Total PCBs	2.3	0.68
03/25/11	B-62	NA	ND	0.52
03/25/11	B-63	Total PCBs	1.3	0.47
03/25/11	B-64	NA	ND	0.54
03/25/11	B-65	NA	ND	0.49
03/25/11	B-66	NA	ND	0.45
03/25/11	B-67	NA	ND	0.69
03/25/11	B-68	NA	ND	0.6
03/25/11	B-69	Total PCBs	8.5	1.8
03/25/11	B-70	NA	ND	0.62
03/25/11	B-71	Total PCBs	1.2	0.38
03/25/11	B-72	NA	ND	1.2
03/25/11	B-73	NA	ND	0.5
03/25/11	B-74	NA	ND	0.34
03/25/11	B-75	NA	ND	0.22

TABLE 6: Brick Testing Results – March 23-25, 2011

Date	Sample ID	PCBs Present	Result (mg/kg)	Detection Limit (mg/kg)
03/25/11	B-76	NA	ND	0.26
03/25/11	B-77	Aroclor 1254	0.59	0.37
03/25/11	B-78	NA	ND	0.34
03/25/11	B-79	NA	ND	0.41
03/25/11	B-80	NA	ND	0.36
03/25/11	B-81	NA	ND	0.36
03/25/11	B-82	NA	ND	0.7
03/25/11	B-83	NA	ND	0.29
03/25/11	B-84	NA	ND	0.56
03/25/11	B-85	NA	ND	0.53
03/25/11	B-86	NA	ND	0.98

1.3 Air Sampling

On November 17, 2010, CDW collected an indoor air sample near caulking with high levels of PCBs by the front office window. The air sample was collected using a TISCH high volume air sampler and a high volume PUF tube. The total air flow over a 24-hour collection period was 385,140 liters of air.

The conversion from µg/PUF to µg/m3 was based upon the liters of air that flowed through the PUF and the concentration is calculated as follows:

$$C = \frac{6.2ug}{385.14m3}$$

C = 0.016ug/m3

Convert 0.016ug/m3 to ng/m3: 0.016 * 1,000 = 16ng/m3.

The EPA Guidance Threshold for schools air PCB concentration is 300 ng/m3 for children in grades one to five, and 100 ng/m3 for kindergarteners. The air sample result is below this threshold. The laboratory analytical report and sample locations was included in the PCB Abatement Plan dated April 2011.

TABLE 7: Air Testing Results – November 17, 2010

Sample ID	Description	PCB	Result (µg/PUF)
1	Inside Front Office Entrance Near Caulk with High PCBs by Admin Office Window	Aroclor 1242	6.46

1.4 Characterization Data Usability Assessment

A data quality assessment was conducted to evaluate the usability of the site characterization data. The caulking, brick and air results were validated by a review of sample custody, holding times, surrogates, method blanks, matrix spike/matrix spike duplicates, laboratory control samples, and field duplicates. The assessment was performed in general conformance with USEPA Region I Guidelines and the Quality Control Guidelines. Accuracy of the analytical data was assessed by reviewing recoveries for matrix spikes (MS), matrix spike duplicates (MSD), surrogates, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD).

Batch B014851 Sample No. BS1/BSD1: The June 15, 2010 Con-test Analytical report for the caulking samples submitted by YCGI show that the surrogate recoveries for 10 of the 14 samples were not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and MSD.

Batch 173064, Sample No. BA14360, BA14361: The March 31, 2011 Phoenix Analytical report for the two caulking samples. LCD/LCSD RPDs were all below 20% except for the RPD for PCB-1016. There was no PCB-1016 detected in any of these samples however, so the overall quality of the data is not impacted. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 173064, Sample No. BA14360, BA14361: The June 21, 2011 Phoenix Analytical report for five caulking samples. LCD/LCSD RPDs were all below 20%. The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. Surrogate recoveries were within acceptable ranges.

The November 24, 2010 AmeriSci Analytical report for the brick samples show all surrogate recoveries were within acceptable ranges except for sample 5 where the surrogate recoveries were not reported due to sample dilution.

The March 8, 2011 EMSL Analytical Inc. report for fourteen brick samples. Surrogate recoveries were within acceptable ranges. MS/MSD RPDs were below 20%.

Batch 173145, Sample No. BA14349: The April 1, 2011 Phoenix Analytical report for the 86 brick samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were

performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 173150, Sample No. BA14371: The April 1, 2011 Phoenix Analytical report for the 86 brick samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 173151, Sample No. BA14391: The April 1, 2011 Phoenix Analytical report for the 86 brick samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 173152, Sample No. BA14411: The April 1, 2011 Phoenix Analytical report for the 86 brick samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 173212, Sample No. BA14431: The April 1, 2011 Phoenix Analytical report for the 86 brick samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 1024406 Sample No. BS1/BSD1: The Spectrum Analytical December 1, 2010 report for the air sample. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Based on a review of the existing site data, the data is adequately represents the materials tested, and the samples collected to date are considered usable for the purposes of characterizing PCB-affected media in accordance with 40 CFR Part 761.

2.0 POST-ABATEMENT SAMPLING

All laboratory data for post abatement sampling is included in **Attachment C.**

2.1 Wipe Testing

Purpose: evaluate remaining levels of PCBs around curtain walls at accessible locations. See figure D3.1 for locations.

TABLE 8: Wipe Testing Results – March 27, 2012

Sample ID	Description	Result (µg/kg)	Detection Limit (µg/kg)
WP-1	0-5 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-2	5-10 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-3	0-5 Feet Above Ground Surface. Southwest Elevation	1.2	1.0
WP-4	5-10 Feet Above Ground Surface. Southwest Elevation	1.0	1.0
WP-5	0-5 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-5 DUP	0-5 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-6	5-10 Feet Above Ground Surface. Southwest Elevation	2.7	1.0
WP-7	0-5 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-8	5-10 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-9	0-5 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-10	5-10 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-11	0-5 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-12	5-10 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-13	0-5 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-14	5-10 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-15	0-5 Feet Above Ground Surface. Southwest Elevation	ND	1.0

TABLE 8: Wipe Testing Results – March 27, 2012

Sample ID	Description	Result (µg/kg)	Detection Limit (µg/kg)
WP-16	5-10 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-17	0-5 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-18	5-10 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-19	0-5 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-20	5-10 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-20 DUP	5-10 Feet Above Ground Surface. Southwest Elevation	ND	1.0
WP-21	0-5 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-22	5-10 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-23	0-5 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-24	5-10 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-25	0-5 Feet Above Ground Surface. Northeast Elevation	1.6	1.0
WP-25 DUP	0-5 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-26	5-10 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-27	0-5 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-28	5-10 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-29	0-5 Feet Above Ground Surface. Northeast Elevation	ND	1.0

TABLE 8: Wipe Testing Results – March 27, 2012

Sample ID	Description	Result (µg/kg)	Detection Limit (µg/kg)
WP-30	5-10 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-31	0-5 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-32	5-10 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-33	0-5 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-34	5-10 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-35	0-5 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-36	5-10 Feet Above Ground Surface. Northeast Elevation	ND	1.0
WP-36 DUP	5-10 Feet Above Ground Surface. Northeast Elevation	ND	1.0

2.2 Soil Testing

Confirmatory soil sampling was conducted following completion of abatement activities. Sampling locations are shown on Figure D3.1.

TABLE 9: Soil Testing Results – June 16, 2011

Sample ID	Description	Result (µg/kg)	Detection Limit (µg/kg)
PCB Soil-1	Southeast Elevation. Base of building.	ND	22.4
PCB Soil-2	Southwest Elevation. Base of building.	ND	20.4
PCB Soil-3	Southwest Elevation. Base of building.	ND	21.3
PCB Soil-4	Northeast Elevation. Base of building.	ND	23.1
PCB Soil-5	Northeast Elevation. Base of building.	ND	10.7

2.3 Caulk

Sampling conducted on new caulking applied to building following abatement. Performed at request of client.

TABLE 10: Tube Caulk Testing Results – November 10, 2011

Sample ID	Description	Result (mg/kg)	Detection Limit (mg/kg)
TUBE CAULK	New caulking applied to building	ND	0.8

2.4 Masonry

TABLE 11: Inside Window Masonry Testing Results – April 26, 2011

Sample ID	Description	Result (mg/kg)	Detection Limit (mg/kg)
IW-1	NA	ND	0.062
IW-2	NA	ND	0.071
IW-3	NA	ND	0.066
IW-4	PCB-1016	0.15	0.067

Confirmatory sampling of masonry was completed around the gymnasium windows following completion of abatement. Sample locations correspond with elevated levels of PCBs discovered in characterization sampling which occurred during March of 2011. The abatement of these areas utilized cut lines greater than one foot to ensure full removal of PCB contamination. Sample locations are shown on Figure D3.1.

TABLE 11: Window Masonry Testing Results – September 22, 2011

Sample ID	Description	Result (mg/kg)	Detection Limit (mg/kg)
W-1	Characterization Sample B-56. Initial Concentration of 0.8 mg/kg.	ND	1.6
W-2	Characterization Sample B-61. Initial Concentration of 2.3 mg/kg.	ND	0.6

TABLE 11: Window Masonry Testing Results – September 22, 2011

Sample ID	Description	Result (mg/kg)	Detection Limit (mg/kg)
W-3	Characterization Sample B-63. Initial Concentration of 1.3 mg/kg.	ND	0.83
W-4	Characterization Sample B-69. Initial Concentration of 8.5 mg/kg.	ND	0.78
W-5	Characterization Sample B-70. Initial Concentration of <0.62mg/kg.	ND	0.71
W-6	Characterization Sample B-71. Initial Concentration of 1.2 mg/kg.	ND	0.43
W-7	Characterization Sample B-72. Initial Concentration of <1.2 mg/kg.	ND	0.37

Purpose: to see how far out the leaching was to each side of curtain wall. Drilled wall to collect samples. Samples were collected in accessible locations. See Figure D3.1 for sample locations.

TABLE 12: Curtain Wall Masonry Testing Results – October 17, 2011

Sample ID	Description	Result (mg/kg)	Detection Limit (mg/kg)
CW-1	5 Feet Above Ground Surface. Southwest Elevation.	ND	0.88
CW-2	5 Feet Above Ground Surface. Southwest Elevation.	1.8	0.99
CW-3	5 Feet Above Ground Surface. Southwest Elevation.	3.3	0.7
CW-4	5 Feet Above Ground Surface. Southwest Elevation.	ND	0.64
CW-5	5 Feet Above Ground Surface. Southwest Elevation.	2.4	0.59
CW-6	5 Feet Above Ground Surface. Southwest Elevation.	0.66	0.5
CW-7	5 Feet Above Ground Surface. Southwest Elevation.	2.8	1.1

TABLE 12: Curtain Wall Masonry Testing Results – October 17, 2011

Sample ID	Description	Result (mg/kg)	Detection Limit (mg/kg)
CW-8	5 Feet Above Ground Surface. Southwest Elevation.	3	0.48
CW-9	5 Feet Above Ground Surface. Southwest Elevation.	4.5	1.1
CW-10	5 Feet Above Ground Surface. Southwest Elevation.	4.8	1
CW-11	5 Feet Above Ground Surface. Northeast Elevation.	1.5	0.88
CW-12	5 Feet Above Ground Surface. Northeast Elevation.	10	0.68
CW-13	5 Feet Above Ground Surface. Northeast Elevation.	3.8	1.1
CW-14	5 Feet Above Ground Surface. Northeast Elevation.	7.6	1.3
CW-15	5 Feet Above Ground Surface. Northeast Elevation.	0.94	0.72
CW-16	5 Feet Above Ground Surface. Northeast Elevation.	1.9	0.69
CW-17	5 Feet Above Ground Surface. Northeast Elevation.	ND	0.6
CW-18	5 Feet Above Ground Surface. Northeast Elevation.	1.1	0.59

2.5 Air Sampling

Post abatement air sampling was conducted prior to the school re-opening. The air samples were collected in indoor air overnight from October 1 through October 2, 2012. Four air samples were collected, three from the interior of the building and one from the exterior of the building. The purpose of the air sampling was to determine if there were any impacts to indoor air from the PCB abatement that had occurred previously.

The samples were collected with a SKC low flow sampler and PUF tube media. The samples were submitted to Phoenix Environmental Laboratories, Inc. for analysis of PCBs via EPA Method TO-10A.

TABLE 14: Air Testing Results – October 2, 2012

Sample ID	Description	Result (µg/kg)	Detection Limit (µg/kg)
AIR 1	Outside Near Front Entrance - 1400 Minutes	ND	0.05
AIR 2	Hall Near Room 211 1st Floor – 1425 Minutes	ND	0.05

TABLE 14: Air Testing Results – October 2, 2012

Sample ID	Description	Result (µg/kg)	Detection Limit (µg/kg)
AIR 3	Near Front Office Where Original PCBs Were Located – 1420 Minutes	ND	0.05
AIR 4	2nd Floor Near Storeroom 300 – 1400 Minutes	ND	0.05

2.6 Dust Monitoring

Dust monitoring was carried out during abatement and construction activities. During this time, heavy machinery was being operated, contributing to the background dust levels.

TABLE 15: Dust Monitoring Results – April 6, 2011 (Yee Consulting Group)

Time	Description	Result (mg/m^3)
1100	Library Background Level	0.432
1100	Outside Library Window	0.432
1200	Outside Library Window	0.361
1300	Outside Library Window	0.017
1400	Outside Library Window	0.088
1500	Outside Library Window	0.047
1100	Base of Scissor Lift	0.415
1200	Base of Scissor Lift	0.027
1300	Base of Scissor Lift	0.029
1400	Base of Scissor Lift	0.023
1500	Base of Scissor Lift	0.028
1100	Outside Gymnasium Door	0.008
1200	Outside Gymnasium Door	0.016
1300	Outside Gymnasium Door	0.008
1400	Outside Gymnasium Door	0.027
1500	Outside Gymnasium Door	0.260
1100	Base of East Stairwell	0.019

TABLE 15: Dust Monitoring Results – April 6, 2011 (Yee Consulting Group)

Time	Description	Result (mg/m^3)
1200	Base of East Stairwell	0.009
1300	Base of East Stairwell	0.078
1400	Base of East Stairwell	0.026
1500	Center of Gymnasium	0.308
1100	Center of Gymnasium	0.144
1200	Center of Gymnasium	0.098
1300	Center of Gymnasium	0.213
1400	Center of Gymnasium	0.126
1500	Center of Gymnasium	0.236

TABLE 16: Dust Monitoring Results – April 7, 2011 (Yee Consulting Group)

Time	Description	Result (mg/m^3)
0830	Library Background Level	0.435
0830	Outside Library Window	0.024
1050	Outside Library Window	0.060
1150	Outside Library Window	0.043
1315	Outside Library Window	0.032
0830	Base of Scissor Lift	0.013
1050	Base of Scissor Lift	0.078
1150	Base of Scissor Lift	0.018
1315	Base of Scissor Lift	0.045
0830	Outside Gymnasium Door	0.105
1050	Outside Gymnasium Door	0.024
1150	Outside Gymnasium Door	0.037
1315	Outside Gymnasium Door	0.025
0830	Base of East Stairwell	0.012

TABLE 16: Dust Monitoring Results – April 7, 2011 (Yee Consulting Group)

Time	Description	Result (mg/m^3)
1050	Base of East Stairwell	0.129
1150	Base of East Stairwell	0.120
1315	Base of East Stairwell	0.221
0830	Center of Gymnasium	0.003
1050	Center of Gymnasium	0.278
1150	Center of Gymnasium	0.425
1315	Center of Gymnasium	0.278

TABLE 17: Dust Monitoring Results – April 8, 2011 (Yee Consulting Group)

Time	Description	Result (mg/m^3)
0730	Library Baseline	0.350
0730	Outside 5-Window of Library	0.060
0730	Gym	0.211
0730	Outside East Stairwell	0.204
0730	Outside Gym Entrance	0.020
0730	At the Base of Scissor Lift	0.051
0830	Outside 5-Window of Library	0.026
0830	Gym	0.122
0830	Outside East Stairwell	0.224
0830	Outside Gym Entrance	0.058
0830	At the Base of Scissor Lift	0.048
0930	Outside 5-Window of Library	0.038
0930	Gym	0.220
0930	Outside East Stairwell	0.154
0930	Outside Gym Entrance	0.021
0930	At the Base of Scissor Lift	0.016

TABLE 17: Dust Monitoring Results – April 8, 2011 (Yee Consulting Group)

Time	Description	Result (mg/m^3)
1030	Outside 5-Window of Library	0.014
1030	Gym	0.978
1030	Outside East Stairwell	0.442
1030	Outside Gym Entrance	0.030
1030	At the Base of Scissor Lift	0.039
1140	Outside 5-Window of Library	0.014
1140	Gym	0.686
1140	Outside East Stairwell	0.291
1140	Outside Gym Entrance	0.029
1140	At the Base of Scissor Lift	0.015
1330	Outside 5-Window of Library	0.012
1330	Gym	0.138
1330	Outside East Stairwell	0.185
1330	Outside Gym Entrance	0.010
1330	At the Base of Scissor Lift	0.033
1430	Outside 5-Window of Library	0.019
1430	Gym	0.185
1430	Outside East Stairwell	0.021
1430	Outside Gym Entrance	0.015
1430	At the Base of Scissor Lift	0.055

TABLE 18: Dust Monitoring Results – September 14, 2011

Time	Result (mg/m^3)
1145	4.26
1325	1.81
1355	0.331
1440	2.53

TABLE 19: Dust Monitoring Results – September 15, 2011

Time	Result (mg/m^3)
0900	0.158
0930	0.128
1000	0.170
1140	0.093
1330	0.214

TABLE 20: Dust Monitoring Results – September 16, 2011

Time	Location	Result (mg/m^3)
0845	Window	0.103
0845	Louver	0.008
0930	Window	0.010
0935	Louver	0.012
1120	Window	0.022
1130	Louver	0.004
1400	Unknown	0.216

TABLE 21: Dust Monitoring Results – September 20, 2011

Time	Result (mg/m^3)
0845	0.037
0945	0.090
1145	0.127
1300	0.025

TABLE 22: Dust Monitoring Results – September 21, 2011

Time	Result (mg/m^3)
0900	0.002
1000	0.057
1300	0.041

TABLE 23: Dust Monitoring Results – September 22, 2011

Time	Result (mg/m^3)
0815	0.234
1345	1.59
1415	1.40

TABLE 24: Dust Monitoring Results – September 23, 2011

Time	Result (mg/m^3)
0945	0.528

Dust monitoring note: heavy equipment was operating in the background as it was a construction site. All dust monitoring results were below the EPA NAAQS of 150 ug/m^3 for particle pollution.

2.7 Post-Abatement Data Usability Assessment

A data quality assessment was conducted to evaluate the usability of the site characterization data. The caulking, brick and soil results were validated by a review of sample custody, holding times, surrogates, method blanks, matrix spike/matrix spike duplicates, laboratory control samples, and field duplicates. The assessment was performed in general conformance with USEPA Region I Guidelines and the Quality Control Guidelines. Accuracy of the analytical data was assessed by reviewing recoveries for matrix spikes (MS), matrix spike duplicates (MSD), surrogates, laboratory control samples (LCS) and laboratory control sample duplicates (LCSD). Data validation summaries for the data are provided with the laboratory analytical reports in Appendix C. Highlights of the data quality and data usability assessment are summarized below:

Batch 196859 Sample No. BB57723: The April 5, 2012 Phoenix Analytical report for the 36 wipe samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 197156 Sample No. BB59514: The April 5, 2012 Phoenix Analytical report for the 36 wipe samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 197157 Sample No. BB59540: The April 5, 2012 Phoenix Analytical report for the 36 wipe samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 197156 Sample No. BB59514: The April 5, 2012 Phoenix Analytical report for the 36 wipe samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 197157 Sample No. BB59540: The April 5, 2012 Phoenix Analytical report for the 36 wipe samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 1112060 Sample No. BS1/BSD1: The June 28, 2011 Spectrum Analytical report for five soil samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 188725 Sample No. BA99924: The November 15, 2011 Pheonix Analytical report for one caulking sample. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 175772 Sample No. BA25183: The May 05, 2011 Pheonix Analytical report for four masonry samples. LCD/LCSD RPDs were all below 20%. MS/MSD RPDs were all below 20%. Surrogate recoveries were within acceptable ranges.

Batch 185232 Sample No. BA79959: The September 29, 2011 Pheonix Analytical report for seven masonry samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Batch 186434 Sample No. BA85255: The October 12, 2011 Pheonix Analytical report for two masonry samples. LCD/LCSD RPDs were all below 20%. MS/MSD RPDs were all below 20%. Surrogate recoveries were within acceptable ranges.

Batch 187184 Sample No. BA89557: The October 24, 2011 Pheonix Analytical report for 18 soil samples. LCD/LCSD RPDs were all below 20%. LCS and LCS duplicates were performed instead of a MS and matrix spike duplicate MSD. Surrogate recoveries were within acceptable ranges.

Based on a review of the existing site data, the data adequately represents the materials tested, and the samples collected to date are considered usable for the purposes of characterizing PCB-affected media in accordance with 40 CFR Part 761. Duplicate and composite samples collected exhibited consistent results and surrogate recoveries.

3.0 CONCLUSION

- Abatement was completed for PCB Bulk Product Waste and PCB Remediation Waste. The PCB Bulk Product Waste was removed and disposed of off-site in accordance with 40 CFR 761.62. The PCB Remediation Waste (brick, windows, door frames, etc.) was removed in compliance with a self-implementing cleanup and disposal (40 CFR 761.61(a)) and/or a risk-based cleanup and disposal request (40 CFR Part 761.61(c)).

- All windows, doors and louvers along with associated caulk and a minimum of brick within the cut line were packaged as PCB waste and placed into a storage rental provided by Complete Recycling Solutions, LLC of Fall River Massachusetts. Any debris (dust, rags, PPE,) collected on the polyethylene sheeting were gathered and placed in the > 50 ppm PCB waste containers at the end of each work day.

- Any water generated during decontamination (or as part of dust suppression) that was collected on polyethylene sheeting was containerized on-site, sampled, and designated for off-site disposal in accordance with 40 CFR 761.79. The drummed water did not contain detectable concentrations of PCBs. Refer to the laboratory analytical reports in

- All Waste was transported by Michigan Disposal to their facility located at 49350 North I-94 Service Drive, Belleville, Michigan, EPA ID # MID 000 724 831 under hazardous waste manifest.

- Remediation of adjacent building materials was conducted in accordance with 40 CFR 761.61. Window and door frames, steel lintels and components coated or in direct contact with ≥ 50 ppm PCB caulking were segregated and removed for disposal with the caulking and brick inside the cut line as ≥ 50 ppm PCB waste. All components of the window, door system or louver were managed for disposal as PCB waste ≥ 50 ppm without waste stream segregation. Any debris collected on the polyethylene sheeting was gathered and placed in the > 50 ppm PCB waste containers at the end of each work day. All removed caulking and associated debris was transported for off-site disposal as > 50 ppm PCB wastes in accordance with 40 CFR 761 Subpart D requirements.

- All confirmatory masonry sampling that occurred did not contain detectable concentrations of PCBs.

- All dust monitoring results were below the EPA NAAQS of 150 ug/m^3 for particle pollution, the current standard for PCB dust monitoring.

- Encapsulation of structural brick was carried out where it was structurally infeasible to remove brick next to the curtain window wall system. After caulking >50 ppm PCBs was removed, the brick was sealed with an elastomeric acrylic encapsulant. Encapsulation was completed in areas following post-abatement sampling, and removal

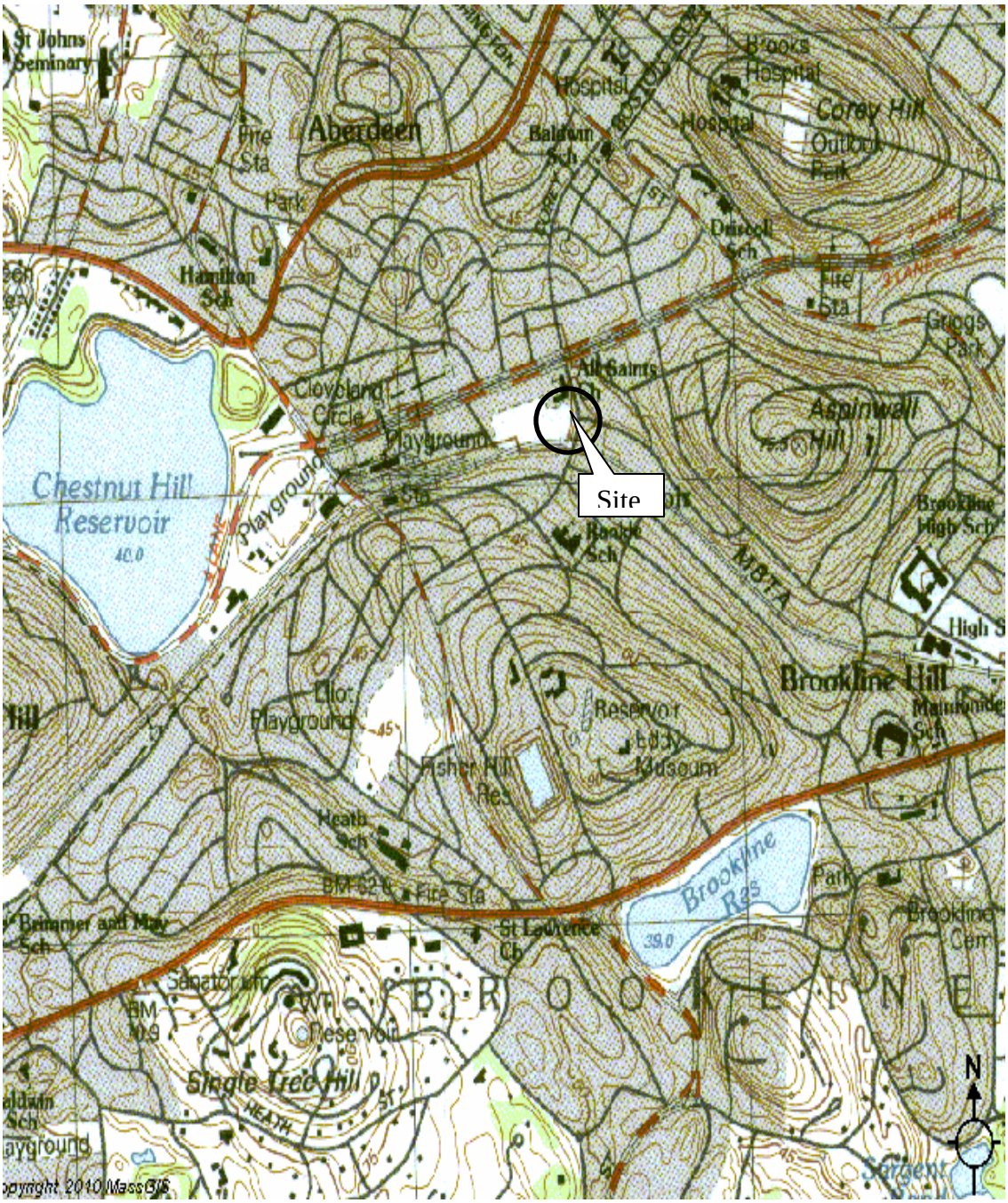
of non-structural PCB-containing materials. As part of the encapsulation strategy, long-term monitoring of the window curtain walls will be conducted in accordance with the O&M Plan. Wipe sampling of the curtain walls exhibited PCB concentrations ranging from 2.7 ppm to non detect, below the EPA limit of 10 ppm.

- Soil sampling was conducted in order to evaluate the concentrations of PCBs in soils surrounding the school following completion of abatement activities. Soil samples were collected every 20 feet parallel to the building, approximately 0.5 feet, 3 feet and 8 feet from the side. Soil samples were collected 0 - 2 inches below the ground surface, which included the surface of the soil, the root zone, and is beneath the "vegetative layer". All soil samples were analyzed for total PCBs in accordance with US EPA Method 8082. No PCBs were detected in soils pre or post abatement.

- Post abatement indoor air samples were collected with a SKC low flow sampler and PUF tube media. The samples were submitted to Phoenix Environmental Laboratories, Inc. for analysis of PCBs via EPA Method TO-10A: "*Determination of Pesticides and Polychlorinated Biphenyls In Ambient Air Using Low Volume PUF Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD)*" and submitted for laboratory analysis of PCB homologs. The laboratory analytical results are all non-detect.

- All laboratory data were reviewed and are considered usable for the purposes of characterizing PCB-affected media in accordance with 40 CFR Part 761. Duplicate and composite samples collected exhibited consistent results and surrogate recoveries.

FIGURES



CDW CONSULTANTS, INC.

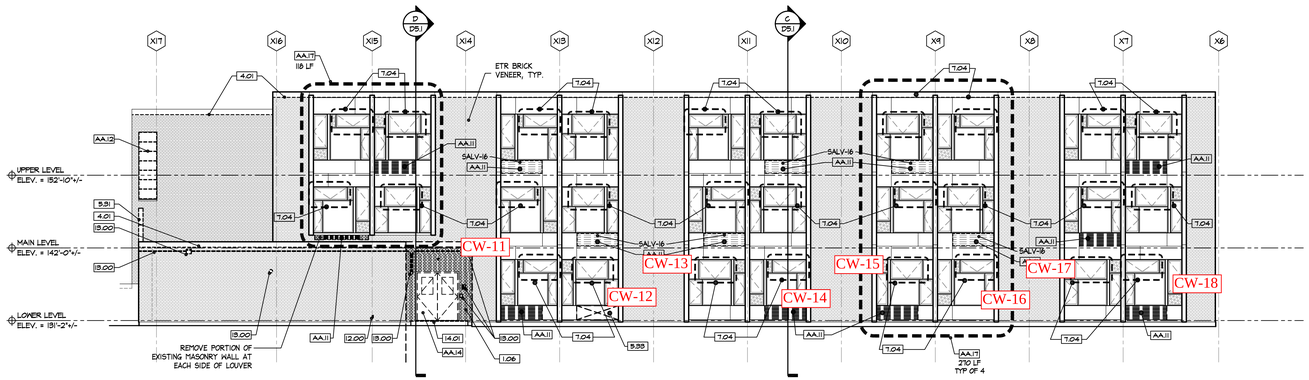
SITE

John D. Runkle School
Brookline, MA

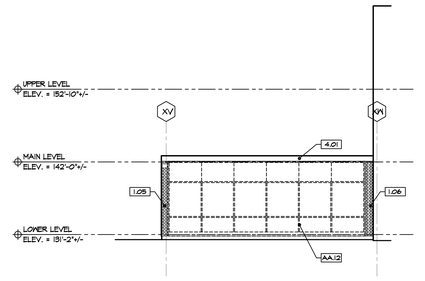
SOURCE: MassGIS Commonwealth of MA EOEEA

PROJECT NO.: 1144.00
SCALE: 1:17,476

FIGURE 1



1 NORTHEAST ELEVATION
1/8" = 1'-0"



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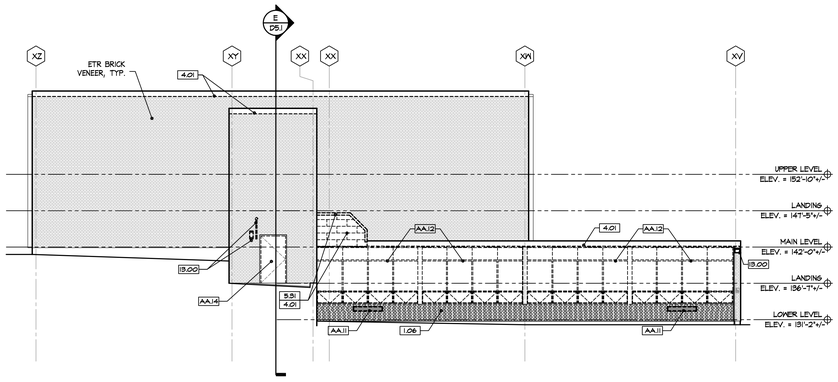

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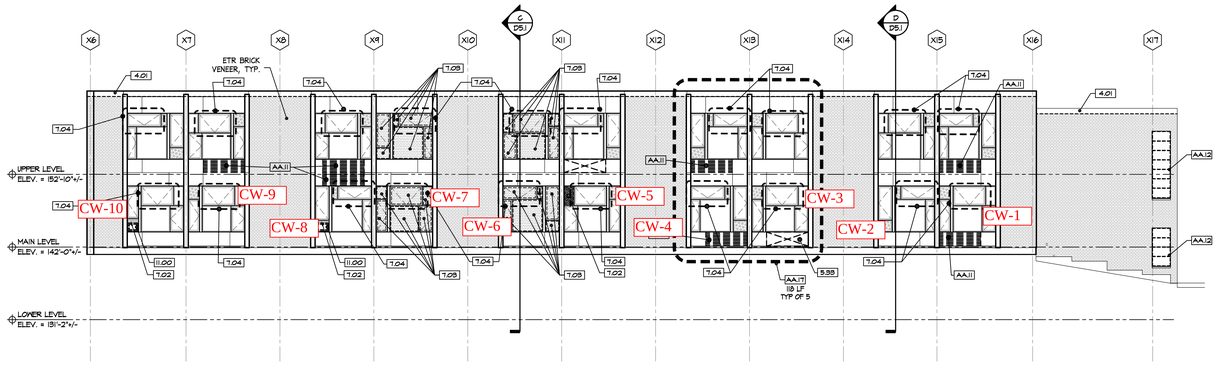
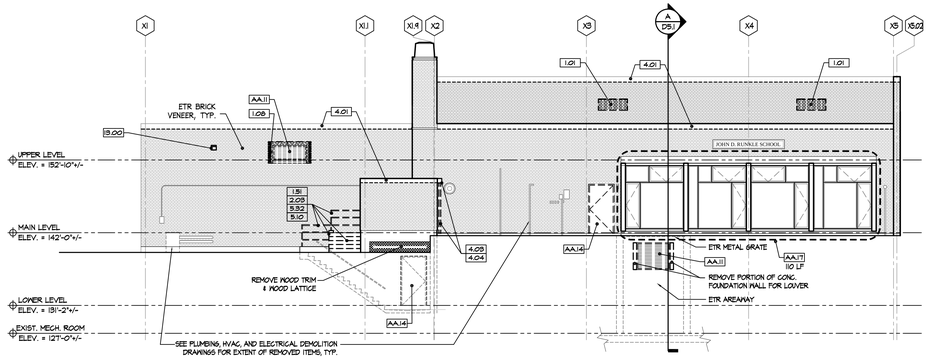
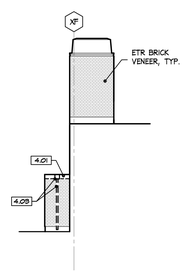
1/8" = 1'-0"



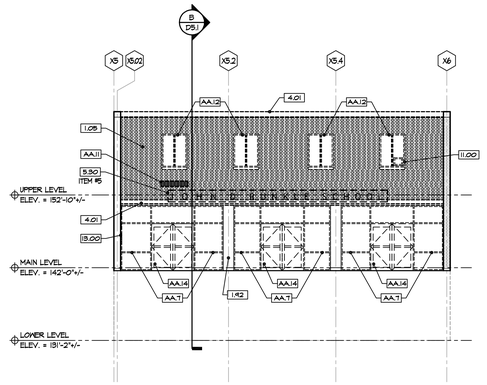
4 SOUTHWEST ELEVATION
1/8" = 1'-0"



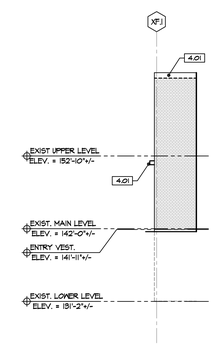
5 WEST ELEVATION
1/8" = 1'-0"



6 SOUTH ELEVATION
1/8" = 1'-0"



7 WEST ELEVATION
1/8" = 1'-0"



7A SOUTHEAST ELEVATION
1/8" = 1'-0"

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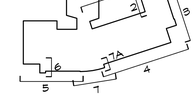
BROOKLINE, MA

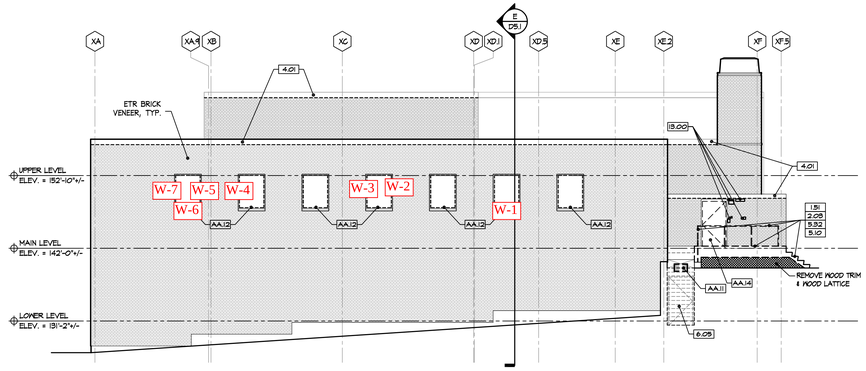


CURTAIN WALL MASONRY SAMPLE LOCATIONS

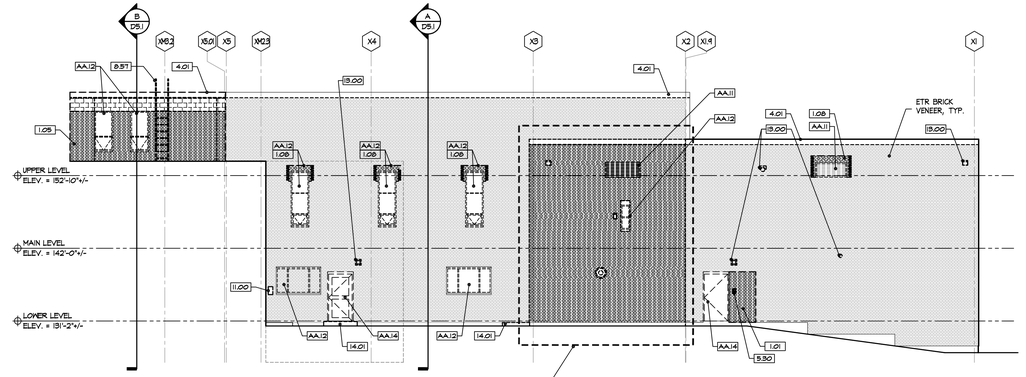
Drawn By NMT
Checked By JP
Scale: N.T.S.
Date: AUGUST 23, 2010
Professional Seal

DEMO ELEVATIONS

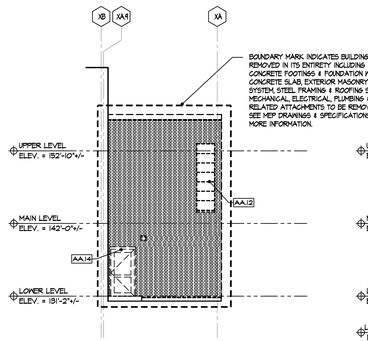
D3.1



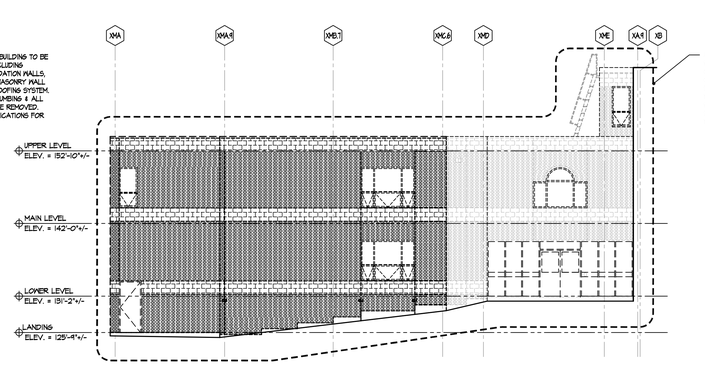
1 NORTH ELEVATION
1/8" = 1'-0"



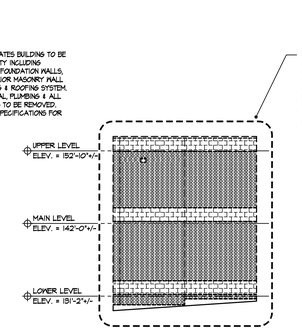
2 EAST ELEVATION
1/8" = 1'-0"



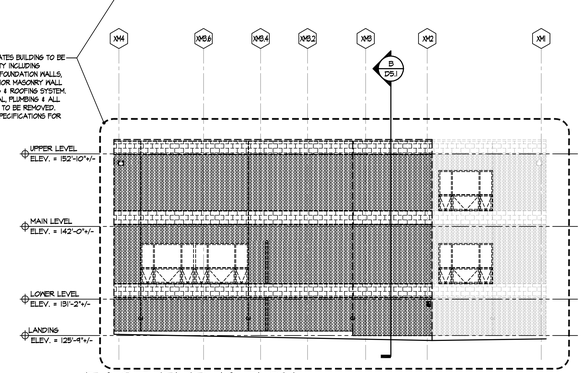
3 SOUTH ELEVATION
1/8" = 1'-0"



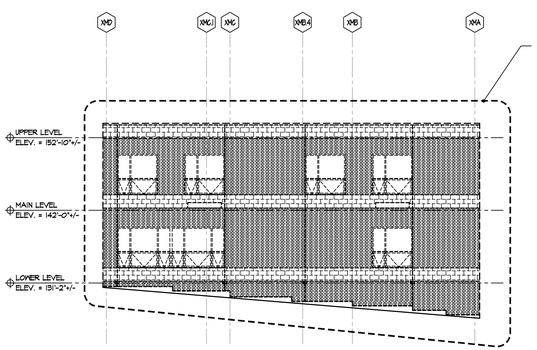
4 NORTH ELEVATION
1/8" = 1'-0"



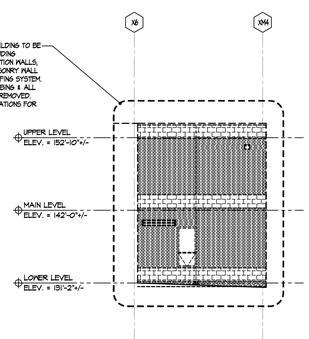
5 NORTHWEST ELEVATION
1/8" = 1'-0"



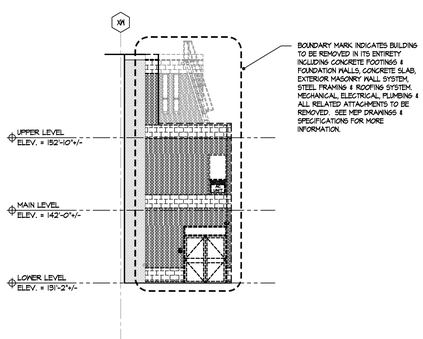
6 EAST ELEVATION
1/8" = 1'-0"



7 SOUTH ELEVATION
1/8" = 1'-0"



8 SOUTHWEST ELEVATION
1/8" = 1'-0"



9 SOUTHEAST ELEVATION
1/8" = 1'-0"

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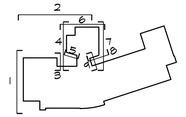
RUNKLE SCHOOL

BROOKLINE, MA

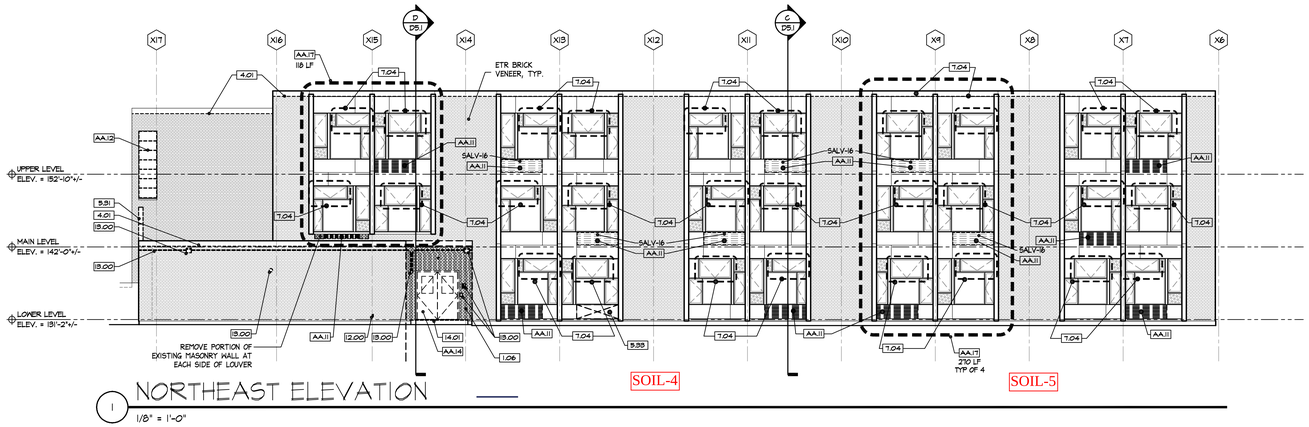


GYM WINDOW MASONRY SAMPLE LOCATIONS

Drawn By NMT
Checked By JP
Scale: N.T.S.
Date: AUGUST 23, 2010
Professional Seal

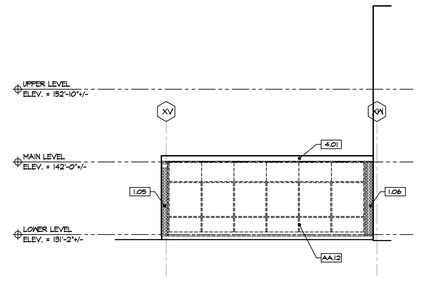
DEMO ELEVATIONS

D3.2



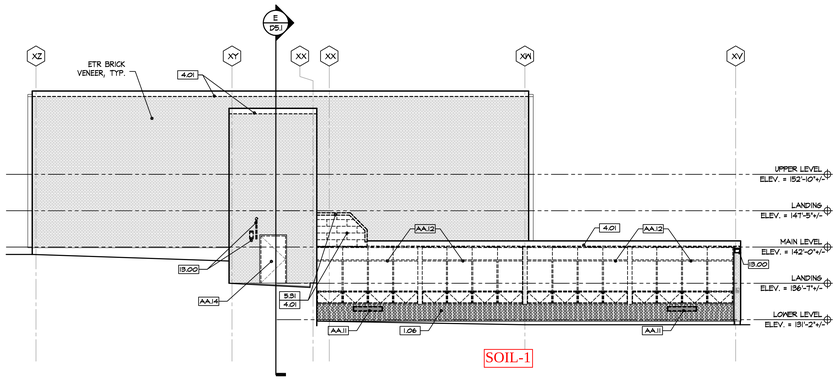
1 NORTHEAST ELEVATION

1/8" = 1'-0"



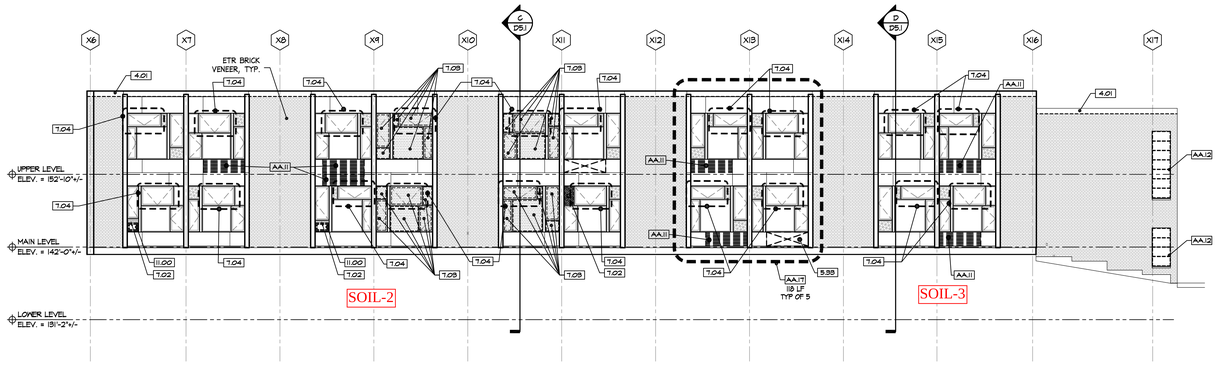
2 NORTHWEST ELEVATION

1/8" = 1'-0"



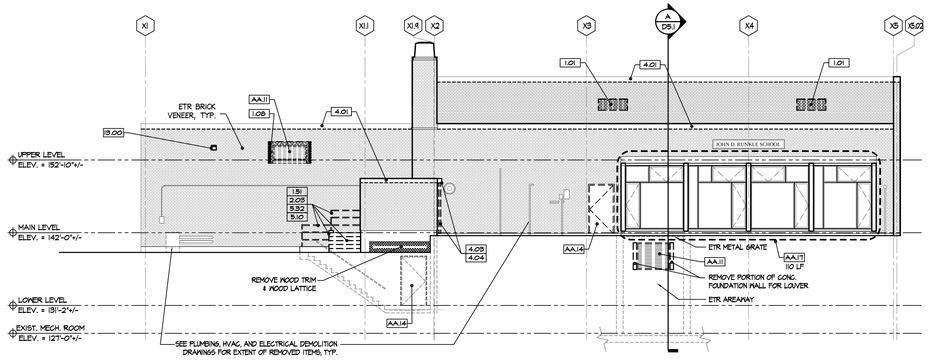
3 SOUTHEAST ELEVATION

1/8" = 1'-0"



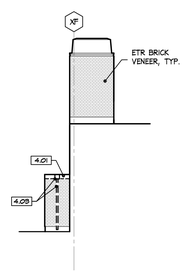
4 SOUTHWEST ELEVATION

1/8" = 1'-0"



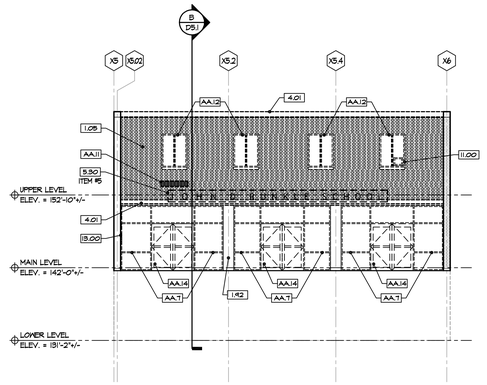
5 WEST ELEVATION

1/8" = 1'-0"



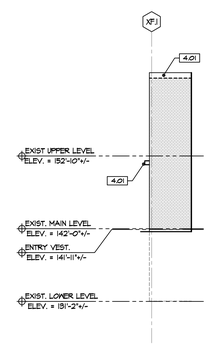
6 SOUTH ELEVATION

1/8" = 1'-0"



7 WEST ELEVATION

1/8" = 1'-0"



7A SOUTHEAST ELEVATION

1/8" = 1'-0"

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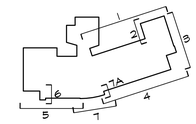
BROOKLINE, MA

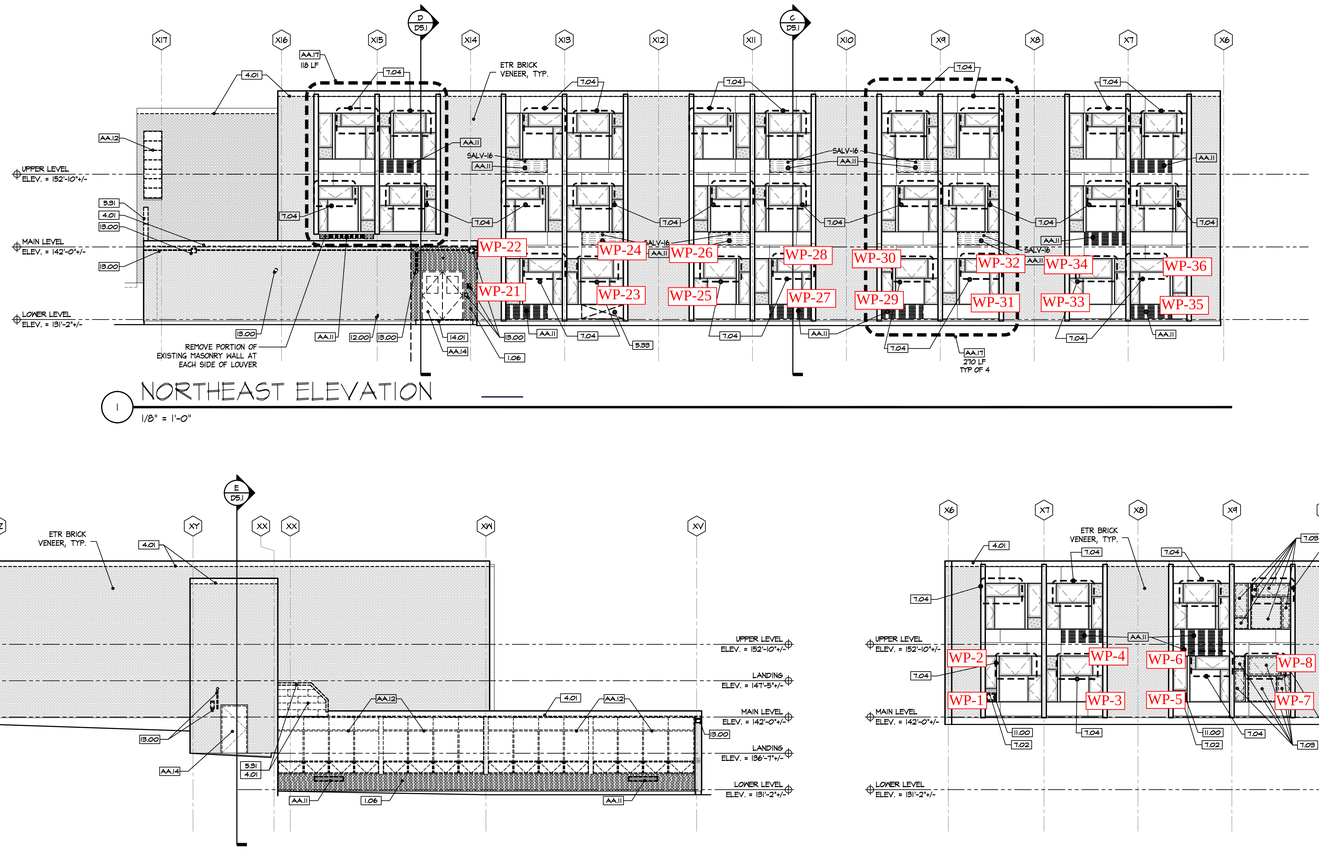


SOIL SAMPLE LOCATIONS

Drawn By NMT
Checked By JP
Scale: N.T.S.
Date: AUGUST 23, 2010
Professional Seal

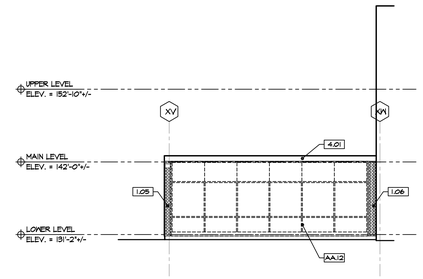
DEMO ELEVATIONS

D3.1



1 NORTHEAST ELEVATION

1/8" = 1'-0"

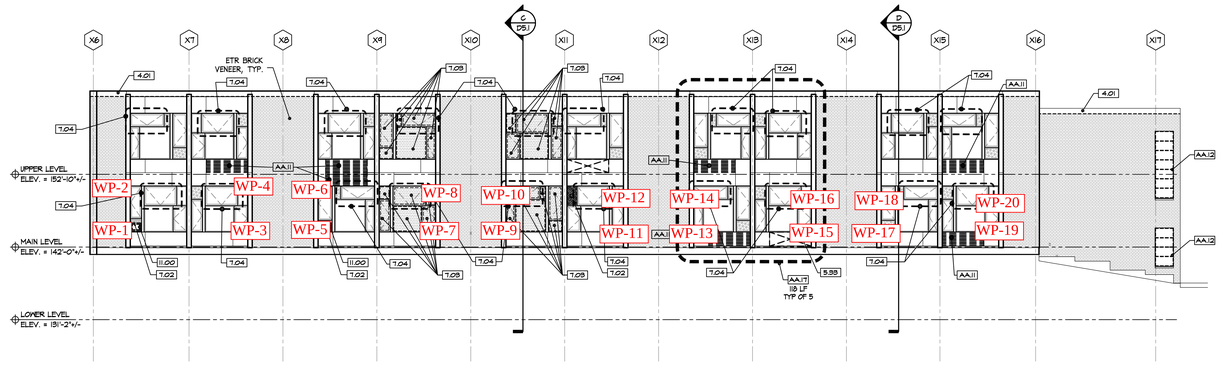


2 NORTHWEST ELEVATION

1/8" = 1'-0"

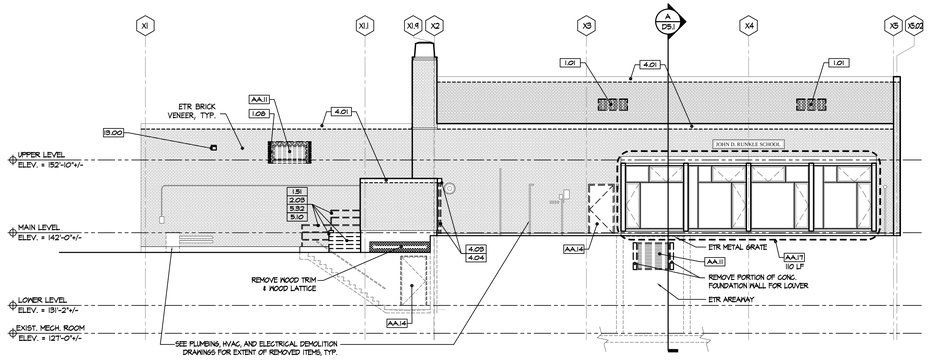
3 SOUTHEAST ELEVATION

1/8" = 1'-0"



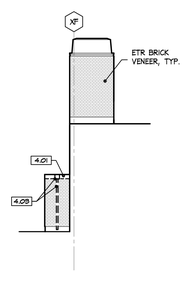
4 SOUTHWEST ELEVATION

1/8" = 1'-0"



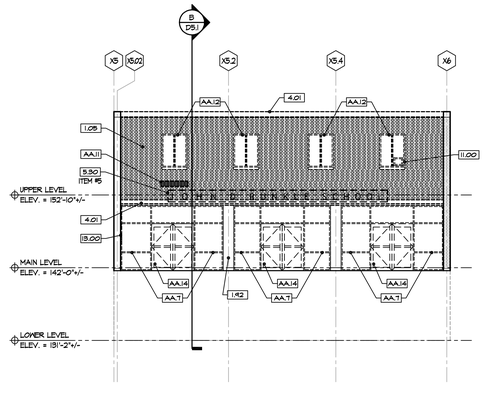
5 WEST ELEVATION

1/8" = 1'-0"



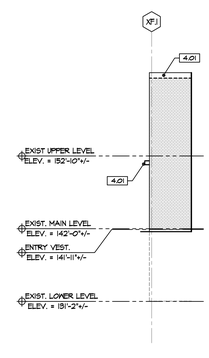
6 SOUTH ELEVATION

1/8" = 1'-0"



7 WEST ELEVATION

1/8" = 1'-0"



7A SOUTHEAST ELEVATION

1/8" = 1'-0"

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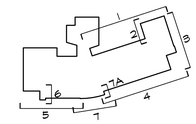


CURTAIN WALL WIPE SAMPLE LOCATIONS

Drawn By NMT
Checked By JP
Scale: N.T.S.
Date: AUGUST 23, 2010
Professional Seal

REGISTERED ARCHITECT
JOHN M. SCANLON
No. 5977
BOSTON
MASS.
COMMONWEALTH OF MASSACHUSETTS

DEMO ELEVATIONS

D3.1

ATTACHMENT A

INTRODUCTION

PCB Containing caulk at the curtain walls was removed during abatement. As previously stated in the PCB Abatement Plan submitted to EPA, a conceptual Monitoring and Maintenance Plan (MMP) has been prepared for the purpose of continued assessment of the treated areas. The purpose of the MMP is to ensure that systematic monitoring processes continue to provide a safe and healthy environment for the Runkle Elementary School students, employees and general public.

1. Summary
2. Definitions
3. Responsibilities
4. Specific Program Components
5. Regulatory Requirements
6. Reporting Requirements
7. Information and External References
8. Competency Assessment and Training Requirements

SUMMARY

Residual concentrations of PCBs on brick walls at the curtain walls were encapsulated following regulatory a risk based remedial plan under 40 CFR 761.61(c) by the application of a protective coating. An elastomeric coating was used to prevent direct contact with PCBs and/or potential migration effects to other media. The on-site encapsulation of PCB remediation waste is an interim solution designed to shield impacted materials from the effects of weathering and leaching mechanisms, thereby eliminating potential exposure pathways and mitigating the potential for PCB transfer via direct contact and/or leaching to other media/materials. Accordingly, there is no resultant exposure to PCBs in the contained brick, resulting in conditions protective of human health and the environment. However, following the completion of the remediation activities via encapsulation a monitoring and maintenance plan (MMP) is recommended to monitor the conditions of the remediated area to minimize and eliminate any Runkle Elementary School tenants, employees and general public from unnecessary exposure to PCB's.

The MMP requires a systematic approach to monitor the encapsulated area and document activities that may cause disturbance of or in areas that are defined as the 'TREATED AREAS' in order to protect the building occupants and employees.

2. Definitions

Encapsulation: Encapsulation involves sealing the porous surface with a liquid-applied coating or an adhesively bonded covering material to provide a barrier between any remaining PCBs and the surrounding environment. Encapsulation can be used as an interim solution to mitigating PCB contamination in buildings. It is not a permanent solution.

Polychlorinated biphenyls **(PCBs)**: PCBs are man-made organic chemicals known as chlorinated hydrocarbons that were manufactured from 1929 until banned in 1979 for their toxicity to human health and the environment. Prior to 1979, PCBs were widely used in transformer and capacitor oils, paints, oil-impregnated electrical cable, and other insulating materials. Use, handling, and disposal of PCBs is highly regulated by the U. S. Environmental Protection Agency (USEPA) under the authority of the Toxic Substance Control Act (TSCA).

Monitoring and Maintenance Plan (MMP): following the 40 CFR 761.30 regulations specific procedures and practices are recommended for the monitoring control of PCB containing materials that have been remediated or treated and are below the threshold of 50 ppm.

Staff Support Personnel: Personnel include employees from Facilities Management staff or contractors acting on behalf Runkle School.

Toxic Substance Control Act (40 CFR 761)**:** Title 40, Part 761 of the Code of Federal Regulations regulates the manufacture, sale, use, cleanup and disposal of PCBs at the federal level. Materials are defined as being PCB-contaminated if they contain PCB concentrations exceeding the thresholds of 50 parts per million (ppm).

Treated Areas: PCB-contaminated areas that have been remediated and/or encapsulated to safe levels below 50 ppm.

Wipe sampling process (PCB monitoring): Wipe sampling consists of dipping gauze into hexane and wiping the sealant surface, placing the sample into a secure glass jar to be analyzed for PCBs by a certified laboratory.

RESPONSABILITIES

CDW recommends that Runkle Elementary School identifies personnel that will follow through on the implementation of the MMP. Responsibilities shall include but are not limited to:

1. Recordkeeping including maintaining the official MMP and a list of treated areas and inspection reports and related documents;

2. Conducting physical inspections, documenting, updating, and reporting on conditions of treated areas; and,
3. Ensuring that recommended procedures and safety precautions are followed before authorizing construction and maintenance that may result in disturbance of treated areas.

MONITORING PROGRAM COMPONENTS

1. Visual inspections – It is recommended that an inspection form be used to collect consistent data during the quarterly inspections (See appendix A).The inspections will consist of an assessment of the following:

    a. Signs of the underlying coating, or excessive pitting, peeling, or breakages in the coating;
    b. Signs of weathering or disturbance of the replacement caulking; and
    c. A general inspection of the encapsulated surfaces.

2. Surface Wipe Sampling – surface wipe samples will be collected from the encapsulated surfaces at a frequency developed based on the final areas to be encapsulated. Initially, wipe samples will be collected on a yearly basis. Wipe samples will be collected following the standard wipe test procedures described in 40 CFR 761.123, as described in the definitions and consists of having the wipe samples analyzed via extraction method 8082/3540C with one blank and one duplicate.

3. Corrective Actions – if results of the sampling indicate that PCB concentrations in excess of the established action levels [10 micrograms per 100 centimeter squared] are present on the surface of the encapsulated areas, corrective measures will need to proceed. These measures may include additional monitoring and/or the additional application of the protective coating or barriers; and

4. Maintenance Guidelines and Procedures – to prevent potential exposure to maintenance and facility personnel, guidelines and procedures will be developed and implemented for any work being conducted in the respective encapsulated areas. These guidelines and procedures will detail communications procedures, worker protection requirements, and worker training requirements to be conducted for maintenance or other activities in these areas.

PERIODIC INSPECTION

An inspection of all treated areas will be conducted quarterly to monitor the condition of the materials. This effort will help ensure that any PCB damage or deterioration is detected and the proper preventive or corrective action is taken. It is an effort that is used to recognize a situation and avoid potential exposure. The inspection will comprise of a visual and physical evaluation of the sealant at the curtain wall to determine its current condition and physical characteristics. Visual records may be used to enhance the value of the inspections. The inspection shall be conducted by the assigned in house or contracted Environmental Professional. The inspection must be done routinely in order to maintain consistency and continuity.

RECORD KEEPING

The original of all documents pertaining to this MMP will be kept on file at Runkle Elementary School. The standard documents to be kept on file will be:

Runkle Elementary School MMP - Original

Reports of Survey and Laboratory Analyses - Original

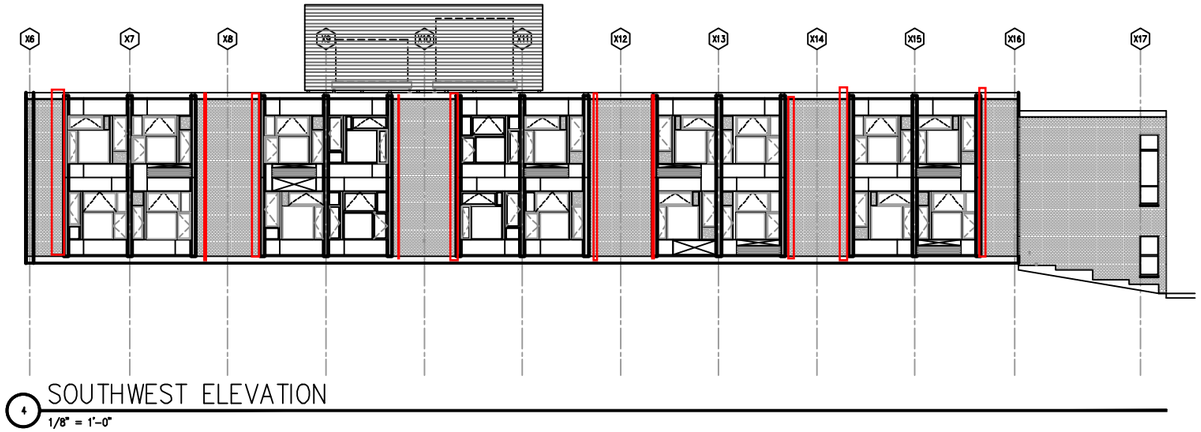
School Name
Address
Phone number

PCB Quarterly Site Inspection **Year of Inspection:** _____

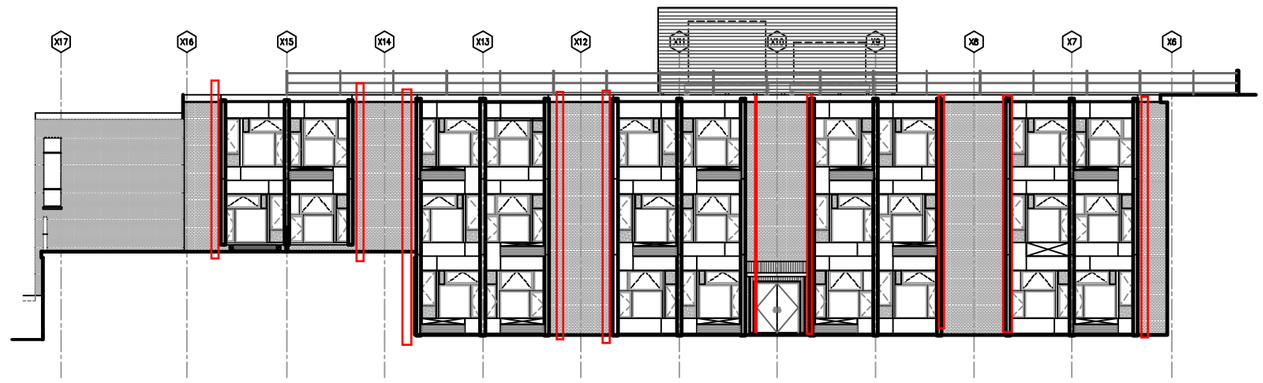
Site name:

Physical Location:

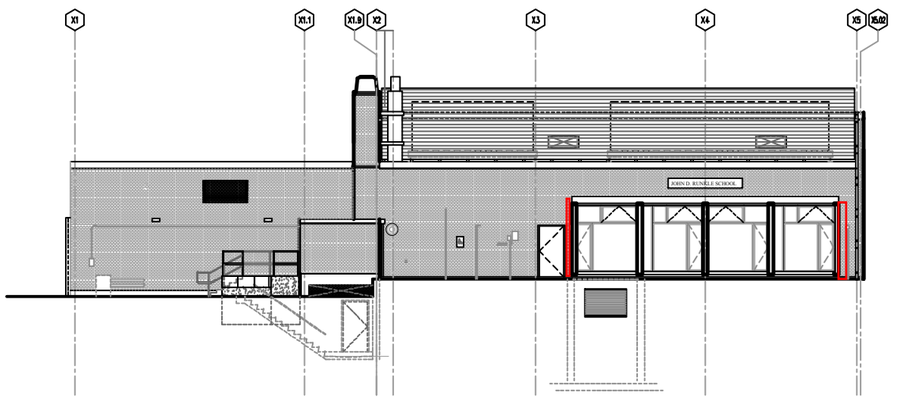
	COATING								OTHER OBSERVATIONS						
Inspection Date	**Pitting**		**Peeling**		**Breakages**		**Signs of underlying coating**		**Weathering Y or N Comment**		**Disturbance**		**COMMENTS**	**INSPECTOR NAME TITLE**	**INITIALS**
	Yes	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**	**No**			



4 SOUTHWEST ELEVATION
1/8" = 1'-0"



3 NORTHEAST ELEVATION
1/8" = 1'-0"



1 WEST ELEVATION
1/8" = 1'-0"

= Area in red represents locations subject to O & M plan which is defined as curtain wall caulk at fins and masonry vertical joint only

ATTACHMENT B

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP6178794650
2. Page 1 of: 1
3. Emergency Response Phone: (508) 872-5000
4. Manifest Tracking Number: 008777951 JJK

5. Generator's Name and Mailing Address: JOHN D. RUNKLE SCHOOL
50 DRUCE STREET
BROOKLINE, MA 02445
Generator's Phone: (617) 879-4650

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: New England Disposal Technologies Inc
~~[illegible] INC.~~
U.S. EPA ID Number: MAC300008059 ~~[illegible]~~

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC.
49350 N. SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (313) 697-7830
U.S. EPA ID Number: MID048090633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ UN3432 WASTE POLYCHLORINATED BIPHENYLS, SOLID 9 PG II ERG# 171	01	CM	5,000	K	MA02 PCB6
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: BM5610/800352/66093/22553 (1)PCBSL-3 PCB DEBRIS
RO 5305
1 x roll off 25 yd out of service date 10.5.11

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: J Russell Hoogasian
Signature: [signature]
Month / Day / Year: 10 / 05 / 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bradley C Barham
Signature: [signature]
Month / Day / Year: 10 / 05 / 11
Transporter 2 Printed/Typed Name:
Signature:
Month / Day / Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name Signature Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. GENERATOR'S INITIAL COPY

EQ - The Environmental Quality Company

Waste Characterization Report

☐ *I authorize EQ - The Environmental Quality Company to choose the appropriate method of waste management, from the technologies offered, at the EQ facilities identified below.*

☐	**Michigan Disposal Waste Treatment Plant** (Stabilization and Treatment)	49350 North I-94 Service Drive, Belleville, Michigan 48111 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #MID000724831
☑	**Wayne Disposal, Inc.** (Hazardous & PCB Waste Landfill)	49350 North I-94 Service Drive, Belleville, Michigan 48111 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #MID048090633
☐	**EQ Detroit, Inc.** (Stabilization, Wastewater Treatment)	1923 Frederick, Detroit, MI 48211 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #MID980991566
☐	**EQ Ohio (Envirite of Ohio)** (Stabilization and Treatment)	2050 Central Avenue, SE, Canton, OH 44707 Phone: 330-456-6238 Fax: 330-456-2801	EPA ID #OHD980568992
☐	**EQ Pennsylvania (Envirite of Pennsylvania)** (Stabilization and Treatment)	730 Vogelsong Road, York, PA 17404 Phone: 717-846-1900 Fax: 717-854-6757	EPA ID #PAD010154045
☐	**EQ Oklahoma, Inc.** (Stabilization, Wastewater Treatment)	2700 South 25th West Avenue, Tulsa, OK 74107-3435 Phone: 918-582-9595 Fax: 918-560-5252	EPA ID #OKD000402396
☐	**EQ Resource Recovery, Inc.** (Solvent Recycling, Fuel Blending, WW Treatment)	36345 Van Born Road, Romulus, Michigan 48174 Phone: 734-727-5500 Fax: 734-326-4033	EPA ID #MID060975844
☐	**EQ Florida, Inc.** (Drum Consolidation, Labpack Decommissioning)	7202 East Eighth Ave., Tampa, FL 33619 Phone: 1-800-624-5302 Fax: 1-813-628-0842	EPA ID #FLD981932494
☐	**EQ Detroit Transfer and Processing** (Drum Transfer/Universal Waste Handling)	2000 Ferry Street, Detroit, MI 48211 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #MIK939928313
☐	**EQIS Indianapolis Transfer and Processing** (Drum Transfer/Non-Hazardous Waste Processing)	2650 N. Shadeland Avenue, Indianapolis, IN 46219 Phone: 1-800-592-5489 Fax: 1-800-592-5329	EPA ID #INR000125641
☐	**EQIS Atlanta Transfer and Processing** (Drum Transfer/Non-Hazardous Waste Processing)	5600 Fulton Industrial Blvd., Atlanta, Georgia 30336 Phone: 404-494-3520 Fax: 404-494-3560	EPA ID #GAR000039776
☐	**EQ Augusta, Inc.** (Wastewater Treatment)	3920 Goshen Industrial Blvd., Augusta, GA 30906 Phone: 706-771-9100 Fax: 706-771-9124	EPA ID #GAR000011817

Please note, this profile should not be used for wastes destined to EQ Illinois (Envirite of Illinois). For more information, please contact our National Service Center at (800)592-5489.

Waste Common Name: PCB Caulking and Debris

Section 1 - Generator & Customer Info

SIC/NAICS*:

Generator EPA ID: MP6-178-794-650

Generator: John D. Runkle School
Address: 50 Druce St.
City: Brookline
State: MA Zip: 02445
County:

Mailing Address
Address: 50 Druce St.
City: Brookline
State: MA Zip: 02445

Generator Contact
Name: Randy Reynolds
Title:
Phone: (617) 879-4650
Fax: ( ) -

*For a list of NAICS codes, please refer to Section 9 of the EQ Resource Guide.

EQ Customer No.:

Invoicing Company
Company: General Chemical Corporation
Address: 133-138 Leland St.
City: Framingham
State: MA Zip: 01702
Country: USA

Invoicing Contact
Name: Joyce Romano
Phone: (508) 872-5000
Fax: ( ) -

Technical Contact
Name: Marty Gaffney
Phone: (508) 872-5000
Fax: (508) 875-5271
Mobile: (978) 844-4404 Pager: ( ) -
E-mail:

General Chemical Corporation
Clean Venture Inc.
Your Environmental Service Source

Martin Gaffney
Technical Service Manager

133 Leland Street
Framingham, MA 01702
Main Office: 508-872-5000 Fax: 508-875-5271
Direct Line: 508-782-4158 Cell: 978-844-4404
Email: marty.gaffney@cyclechem.com

www.cyclechem.com

Section 2 - Shipping & Packaging Info

2.1) Shipping Volume & Unit: 25 yard rolloff Frequency: One Time Only

2.2) DOT Shipping Name: RQ, Polychlorinated biphenyls, solid

2.3) Is this waste surcharge exempt? ○ Yes ◉ No (If you answered "Yes" to question 2.3, select the Surcharge Exemption reason.)

2.4) Packaging (check all that apply)

- ☑ Bulk Solid (yd ^{3} < 2000 lbs/yd ^{3})
- ☐ Totes, Size
- ☐ Other (palletized, 5 gal. Pail, etc.)
- ☐ Bulk Solid (Ton > 2000 lbs./yd ^{3})
- ☐ Cubic Yard Boxes/Bags
- ☐ Bulk Liquids (Gallon)
- ☐ Drums, Size

Quoted bulk disposal charges for solid materials will be billed by the cubic yard, if the waste density is less than 2,000lbs./cubic yard. If waste density is greater than 2,000 lbs./cubic yard, then bulk disposal charges will be billed by the ton, regardless of the approved container.

Section 3 - Physical Characteristics

3.1) Color: VARIES 3.2) Odor: mild

3.3) Does this waste contain any "Potentially Odorous Constituents" as defined in the EQ Resource Guide? (Section 3) ○ Yes ◉ No

3.4) Physical State at 70 °F: ☑ Solid ☐ Dust/Powder ☐ Liquid ☐ Sludge

3.5) What is the pH of this waste? ☐ ≤ 2 ☐ 2.1-4.9 ☑ 5-10 ☐ 10.1-12.4 ☐ ≥ 12.5

3.6) What is the flash point of this waste? ○ <90 °F ○ 90-139 °F ○ 140-199 °F ◉ ≥ 200 °F

3.7) Does this waste contain? (check all that apply) ☑ None

- ☐ Free Liquids
- ☐ Oily Residue
- ☐ Metal Fines
- ☐ Biodegradable Sorbants
- ☐ Amines
- ☐ Ammonia
- ☐ Water Reactive
- ☐ Biohazard
- ☐ Aluminum
- ☐ Shock Sensitive Waste
- ☐ Reactive Waste
- ☐ Radioactive Waste
- ☐ Explosives
- ☐ Pyrophoric Waste
- ☐ Isocyanates
- ☐ Asbestos - non-friable
- ☐ Asbestos - friable
- ☐ Dioxins.
- ☐ Furans

Section 4 - Composition / Generating Process

4.1) Describe the physical composition of the waste (i.e., soil, water, PPE, debris, key chemical compounds, etc.)

caulking, PPE, Poly window frames, debri from 99. to 100. %

PCBs ppm from 0.005 to 0.05 %

4.2) Provide a detailed description of the process generating this waste. (attach flow diagram if available).

Removal of caulking and window frames from structure

Section 5 - Is This Hazardous Waste?

Please refer to Section 5 of the EQ Resource Guide for a list of waste codes.

As determined by 40 CFR, Part 261 and Michigan Act 451 Rules: **Please list applicable waste code(s):**

5.1) Is this an EPA RCRA listed hazardous waste (F, K, P or U)? ○ Yes ◉ No

Comments:

5.2) Is this an EPA RCRA characteristic hazardous waste (D001-D043)? ○ Yes ◉ No

Comments:

5.3) Do any State Hazardous Waste Codes apply? ◉ Yes ○ No MA02 PCB6

Comments:

5.4) Is this waste intended for wastewater treatment? ○ Yes* ◉ No

If you answered "No" to questions 5.1, 5.2, and 5.3, please skip to Section 7.
****If you answered "Yes" to question 5.4, please complete the WCR Addendum.***

Section 6 - Hazardous Wastes

6.1) Does this waste exceed Land Disposal Restriction Levels? ○ Yes ◉ No

6.1a) If this waste stream is greater than 50% soil, does it meet the alternative soil treatment standards of 40 CFR 268.49? ○ Yes ○ No

6.1b) Does this waste contain greater than 50% debris, by volume? (Debris is greater than 2.5 inches in size.) ◉ Yes ○ No

) Is the waste an oxidizer (D001)? ○ Yes ◉ No

6.3) Does this waste contain reactive cyanide ≥ 250 ppm (D003)? ○ Yes ◉ No

6.4) Does this waste contain reactive sulfide ≥ 500 ppm (D003)? ○ Yes ◉ No

6.5) Please indicate which constituent concentrations are below or above the regulatory level. Please indicate the basis used in the determination. Either 'Below' or 'Above' MUST be checked for each constituent.

Based On: ◉ Generator Knowledge ○ Analysis* ○ MSDS*

*Please forward a copy. Analysis or MSDS are required for EQ Florida Non-hazardous wastes.

Code	Regulatory Level TCLP (mg/l)			Concentration (if above)
D004	Arsenic	5	◉ Below ○ Above	
D005	Barium	100	◉ Below ○ Above	
D006	Cadmium	1	◉ Below ○ Above	
D007	Chromium	5	◉ Below ○ Above	
D008	Lead	5	◉ Below ○ Above	
D009	Mercury	0.2	◉ Below ○ Above	
D010	Selenium	1	◉ Below ○ Above	
D011	Silver	5	◉ Below ○ Above	
D012	Endrin	0.02	◉ Below ○ Above	
D013	Lindane	0.4	◉ Below ○ Above	
D014	Methoxychlor	10	◉ Below ○ Above	
D015	Toxaphene	0.5	◉ Below ○ Above	
D016	2,4-D	10	◉ Below ○ Above	
D017	2,4,5-TP (Silvex)	1	◉ Below ○ Above	
D018	Benzene	0.5	◉ Below ○ Above	
D019	Carbon Tetrachloride	0.5	◉ Below ○ Above	
D020	Chlordane	0.03	◉ Below ○ Above	
)21	Chlorobenzene	100	◉ Below ○ Above	
.022	Chloroform	6.0	◉ Below ○ Above	
D023	o-Cresol	200	◉ Below ○ Above	

Code	Regulatory Level TCLP (mg/l)			Concentration (if above)
D024	m-Cresol	200	◉ Below ○ Above	
D025	p-Cresol	200	◉ Below ○ Above	
D026	Cresols	200	◉ Below ○ Above	
D027	1,4-Dichlorobenzene	7.5	◉ Below ○ Above	
D028	1,2-Dicholoroethane	0.5	◉ Below ○ Above	
D029	1,1-Dichloroethylene	0.7	◉ Below ○ Above	
D030	2,4-Dinitrotoluene	0.13	◉ Below ○ Above	
D031	Heptachlor	0.008	◉ Below ○ Above	
D032	Hexachlorobenzene	0.13	◉ Below ○ Above	
D033	Hexachlorobutadiene	0.5	◉ Below ○ Above	
D034	Hexachloroethane	3.0	◉ Below ○ Above	
D035	Methyl Ethyl Ketone	200	◉ Below ○ Above	
D036	Nitrobenzene	2	◉ Below ○ Above	
D037	Pentachlorophenol	100	◉ Below ○ Above	
D038	Pyridine	5	◉ Below ○ Above	
D039	Tetrachloroethylene	0.7	◉ Below ○ Above	
D040	Trichloroethylene	0.5	◉ Below ○ Above	
D041	2,4,5-Trichlorophenol	400	◉ Below ○ Above	
D042	2,4,6-Trichlorophenol	2	◉ Below ○ Above	
D043	Vinyl Chloride	0.2	◉ Below ○ Above	

6.6) If this is a characteristic hazardous waste, does it contain underlying hazardous constituents? ○ Yes ○ No

If you answered 'Yes', please list the constituents in Section 11.

Section 7 - Non-Hazardous Wastes

For a complete list of non-hazardous waste codes, please refer to Section 7 of the EQ Resource Guide.

Applicable waste code(s):

7.1) Is this a Michigan non-hazardous liquid industrial waste? ○ Yes ◉ No

Comments:

7.2) Is this a Universal waste? ○ Yes ◉ No

7.3) Is this a Recyclable Commodity? (e.g.: computer monitors, free mercury, etc.) ○ Yes ◉ No

7.4) Is this waste a recoverable petroleum product? ○ Yes ◉ No

7.5) Is this waste used oil as defined by 40 CFR Part 279? ○ Yes ◉ No

Section 8 - TSCA Information

8.1) What is the concentration of PCBs in the waste? ○ None ○ 0-5 ppm ○ 6-49 ppm ◉ 50-499 ppm ○ 500+ ppm

8.2) Does the waste contain PCB contamination from a source with a concentration ≥ 50 ppm? ◉ Yes ○ No

If you answered 'None' to 8.1 and 'No' to 8.2, please skip to Section 9.

8.3) Has this waste been processed into a non-liquid form? ○ Yes ◉ No

If yes, what was the concentration of PCBs prior to processing? (ppm) ◉ N/A ○ 0-499 ○ 500+

8.4) Is the non-liquid PCB waste in the form of soil, rags, debris, or other contaminated media? ◉ Yes ○ No

8.5) Are you a PCB capacitor manufacturer or a PCB equipment manufacturer? ○ Yes ◉ No

8.6) Has the PCB Article (e.g., transformer, hydraulic machine, PCB-contaminated electrical equipment) been drained/flushed of all PCBs and decontaminated in accordance with 40 CFR 761.60(b)? ◉ N/A ○ Yes ○ No

Section 9 - Clean Air Act Information

9.1) Is this waste subject to regulation under 40 CFR, Part 63, Subpart DD or 40 CFR, Part 264, Subpart CC (RCRA)? ○ Yes ◉ No
(Does the waste contain >500 ppm Volatile Organic Hazardous Air Pollutants - VOHAP's or Volatile Organic Compounds - VOC's?)
For a complete list of VOHAPs, please see Section 11 of the EQ Resource Guide.

9.2) Is this site, or waste, subject to any other MACT or NESHAP? ○ Yes ◉ No

If yes, please specify:

9.3) Does this waste stream contain Benzene? ○ Yes ◉ No

If you answered "No" to question 9.2, please skip to section 10.

9.4) Does the waste stream come from a facility with one of the SIC/NAICS codes listed under the Benzene NESHAP identified in 40 CFR 61, Subpart FF? ○ Yes ○ No

9.5) Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) ≥ 10 Mg/year? ○ Yes ○ No
For assistance in calculating the TAB, please see the TAB Worksheet in Section 9 of the EQ Resource Guide.

If you answered "No" to question 9.3 <u>and</u> 9.4, please skip to Section 10.

9.6) Does the waste contain > 10% water? ○ Yes ○ No

What is the TAB quantity for your facility? Mg/year

9.8) Does the waste contain >1.0 mg/kg total Benzene? ○ Yes ○ No

9.9) What is the total Benzene concentration in your waste? (concentration) (unit)

(Supporting analysis must be attached. Do not use TCLP analytical results. Acceptable laboratory methods include 8020, 8240, 8260, 602 and 624.)

*For a list of NAICS codes, please refer to section 9 of the EQ Resource Guide.

Section 10 - Fuel Blending Information

10.1) Is this waste intended for fuel blending? ○ Yes* ◉ No

If you answered 'Yes' to question 10.1, please enter the following:

Heat value (BTU/lb.) _____

Chlorine (%) _____

Water (%) _____

Solids (%) _____

10.2) Is this waste intended for reclamation? ○ Yes ◉ No (5-Gallon Sample required for all reclaim waste streams)

Section 11 - Constituent Information

Please identify your waste constituents from these four categories: Underlying Hazardous Constituents (UHC's), Volatile Organic Hazardous Air Pollutants (VOHAP's), Volatile Organic Compounds (VOC's) and Toxic Release Inventory Constituents (TRI)

Constituent	Concentration	UHC?

ase see Section 11 of the EQ Resource Guide for a list of UHC's, VOHAP's and VOC's. For a complete list of TRI constituents, please refer to 40 CFR 372.65.

Section 12 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Comments:
not logged in

Generator: _____ RUSSELL HOCHMAN

Authorized Generator Signature *Printed Generator Name*

Company: TOWN OF BROOKLINE, MA Title: OWNER REP. Date: 10.5.2011

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

Section 12 - Certification

I certify that all information (including attachments) is complete and factual and is an accurate representation of the known and suspected hazards, pertaining to the waste described herein. I authorize EQ's Resource Team to add supplemental information to the waste approval file, provided I am contacted and give verbal permission. I authorize EQ's Resource Team to obtain a sample from any waste shipment for purposes of verification and confirmation. I agree that, if EQ approves the waste described herein, all such wastes that are transported, delivered, or tendered to EQ by Generator or on Generator's behalf shall be subject to, and Generator shall be bound by, the attached Standard Terms and Conditions.

Comments:
not logged in

Generator: Gilbert Morel — Gilbert Morel
Authorized Generator Signature — *Printed Generator Name*

Company: GTR Const — Title: Job Superintendent — Date: 9/30/11

The generator's signature MUST appear on the EQ Waste Characterization Report. If the generator has authorized a third party to certify this document, a written notice (on generator letterhead) must accompany this submittal. Although the EQ Resource Team is authorized to make certain modifications to the information provided on this form, the addition or removal of waste codes and waste constituents must be documented by the generator.

CERTIFICATE OF RECLAMATION

ISSUED TO

Air Quality Experts, Inc. (Generator: John D. Runkle School)

50 Druce Street, Brookline, MA 02445

FOR THE FOLLOWING:

SR #	DATE RCVD.	DESCRIPTION	QTY.
107757	10/7/2011	Disposal PCB Debris	1

By accepting the above referenced material, Complete Recycling Solutions, LLC "CRS" has certified to the generator that reclamation methods employed by properly licensed off-site facilities and/or CRS are in accordance with applicable Federal Regulation 40 CFR.

Complete Recycling Solutions, LLC certifies that the information contained in or accompanying this document is true, accurate and complete.

Cheryl Michael
Sign

Documents Manager
Title

COMPLETE RECYCLING SOLUTIONS, LLC
1075 AIRPORT ROAD, FALL RIVER , MA 02720
TELEPHONE (866) 277-9797 FAX (508) 402-7750

Order Report

Service Request No.: 107757

Received Date: 10/7/11

Air Quality Experts, Inc.
Contact: Mr. Randy Reynolds
Address: 23 Hall Farm Road
Atkinson, NH 03079

Phone: 603-231-2567 (Cellph

Generators:

1 **John D. Runkle School** - 50 Druce Street, Brookline, MA 02445

GEN	--- CONTAINERS --- # OF	TYPE	# PER	QTY TOTAL	LENGTH	--- POUNDS --- UNIT	TOTAL	PRODUCT DESCRIPTION	BILLING U/M
1	1	25 Yard Rolloff	1	1				Disposal PCB Debris	
				1	**0.0**				

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP6178794650
2. Page 1 of: 1
3. Emergency Response Phone: (508) 872-5000
4. Manifest Tracking Number: 008777951 JJK

5. Generator's Name and Mailing Address: JOHN D. RUNKLE SCHOOL
50 DRUCE STREET
BROOKLINE, MA 02445
Generator's Phone: (617) 879-4650

Generator's Site Address (if different than mailing address): SAME

6. Transporter 1 Company Name: NEW ENGLAND DISPOSAL Technologies Inc
U.S. EPA ID Number: MAC300008059

7. Transporter 2 Company Name: NEW ENGLAND DISPOSAL TECH
U.S. EPA ID Number: MAC300006059

8. Designated Facility Name and Site Address: WAYNE DISPOSAL, INC.
49350 N. SERVICE DRIVE
BELLEVILLE, MI 48111
Facility's Phone: (313) 697-7830
U.S. EPA ID Number: MID048090633

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						MA82	PCB6	PCB1
X	1. RQ UN3432 WASTE POLYCHLORINATED BIPHENYLS, SOLID 9 PG II ERG# 171	01	CM	5,000	K			
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: 805610/800352/66093/82553 (1)PCBSL-3 PCB DEBRIS
J1100241WOI
RQ #305
1 X RMOFF 25yd OUT OF SERVICE DATE 10-5-11

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: J Russell Hodgman
Signature: [signature]
Month 10 Day 05 Year 11

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Bradley C Brayton Jr.
Signature: [signature]
Month 10 Day 05 Year 11

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
ok to add Arrival per Marty Gaffney @ Gen Chem 10-6-11 JB
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
Month Day Year

18c. Signature of Alternate Facility (or Generator)

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. PCB 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Tarkey
Signature: [signature]
Month 10 Day 6 Year 11

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

4493742

ATTACHMENT C

PHOENIX
Environmental Laboratories, Inc.

Monday, October 24, 2011

Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Project ID: RUNKLE SCHOOL
Sample ID#s: BA89735 - BA89752

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89735

Project ID: RUNKLE SCHOOL
Client ID: CW-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	108		%	10/21/11		MH	30 - 150 %
% TCMX	96		%	10/21/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89736

Project ID: RUNKLE SCHOOL
Client ID: CW-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.99	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.99	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.99	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.99	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	0.99	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.99	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.99	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.99	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.99	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	1.8	0.99	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	106		%	10/21/11		MH	30 - 150 %
% TCMX	95		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-2

Phoenix I.D.: BA89736

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89737

Project ID: RUNKLE SCHOOL
Client ID: CW-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.7	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.7	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.7	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.7	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	0.7	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.7	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.7	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.7	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.7	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	3.3	0.7	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	109		%	10/21/11		MH	30 - 150 %
% TCMX	92		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-3

Phoenix I.D.: BA89737

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

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Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

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Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89738

Project ID: RUNKLE SCHOOL
Client ID: CW-4

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.64	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.64	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.64	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.64	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	ND	0.64	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.64	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.64	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.64	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.64	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	108		%	10/21/11		MH	30 - 150 %
% TCMX	101		%	10/21/11		MH	30 - 150 %

Comments:

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October 25, 2011

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Analysis Report

October 24, 2011

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CDW Consultants, Inc
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Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89739

Project ID: RUNKLE SCHOOL
Client ID: CW-5

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	2.4	0.59	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	126		%	10/21/11		MH	30 - 150 %
% TCMX	112		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-5

Phoenix I.D.: BA89739

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

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Phyllis Shiller, Laboratory Director
October 25, 2011

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Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89740

Project ID: RUNKLE SCHOOL
Client ID: CW-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.5	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.5	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.5	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.5	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	0.5	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.5	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.5	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.5	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.5	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	0.66	0.5	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	107		%	10/21/11		MH	30 - 150 %
% TCMX	93		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-6

Phoenix I.D.: BA89740

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89741

Project ID: RUNKLE SCHOOL
Client ID: CW-7

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	2.8	1.1	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	115		%	10/21/11		MH	30 - 150 %
% TCMX	100		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-7

Phoenix I.D.: BA89741

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89742

Project ID: RUNKLE SCHOOL
Client ID: CW-8

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.48	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.48	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.48	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.48	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	0.48	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.48	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.48	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.48	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.48	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	3	0.48	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	115		%	10/21/11		MH	30 - 150 %
% TCMX	100		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-8

Phoenix I.D.: BA89742

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

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Phyllis Shiller, Laboratory Director
October 25, 2011

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Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89743

Project ID: RUNKLE SCHOOL
Client ID: CW-9

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	4.5	1.1	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	117		%	10/21/11		MH	30 - 150 %
% TCMX	98		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-9

Phoenix I.D.: BA89743

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

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Phyllis Shiller, Laboratory Director
October 25, 2011

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Analysis Report

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CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89744

Project ID: RUNKLE SCHOOL
Client ID: CW-10

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	1	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	4.8	1	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	116		%	10/21/11		MH	30 - 150 %
% TCMX	97		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-10

Phoenix I.D.: BA89744

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89745

Project ID: RUNKLE SCHOOL
Client ID: CW-11

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.88	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	1.5	0.88	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	118		%	10/21/11		MH	30 - 150 %
% TCMX	99		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-11

Phoenix I.D.: BA89745

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89746

Project ID: RUNKLE SCHOOL
Client ID: CW-12

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.68	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.68	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.68	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.68	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	0.68	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.68	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.68	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.68	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.68	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	10	0.68	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	119		%	10/21/11		MH	30 - 150 %
% TCMX	101		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-12

Phoenix I.D.: BA89746

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89747

Project ID: RUNKLE SCHOOL
Client ID: CW-13

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	1.1	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	3.8	1.1	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	132		%	10/21/11		MH	30 - 150 %
% TCMX	111		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-13

Phoenix I.D.: BA89747

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

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Phyllis Shiller, Laboratory Director
October 25, 2011

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89748

Project ID: RUNKLE SCHOOL
Client ID: CW-14

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1.3	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	1.3	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	1.3	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	1.3	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	1.3	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	1.3	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	1.3	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	1.3	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	1.3	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	7.6	1.3	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	118		%	10/21/11		MH	30 - 150 %
% TCMX	102		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-14

Phoenix I.D.: BA89748

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89749

Project ID: RUNKLE SCHOOL
Client ID: CW-15

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.72	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.72	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.72	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.72	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	0.72	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.72	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.72	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.72	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.72	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	0.94	0.72	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	120		%	10/21/11		MH	30 - 150 %
% TCMX	99		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-15

Phoenix I.D.: BA89749

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

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ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89750

Project ID: RUNKLE SCHOOL
Client ID: CW-16

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.69	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.69	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.69	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.69	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	0.69	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.69	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.69	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.69	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.69	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	1.9	0.69	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	108		%	10/21/11		MH	30 - 150 %
% TCMX	94		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-16

Phoenix I.D.: BA89750

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

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Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89751

Project ID: RUNKLE SCHOOL
Client ID: CW-17

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.6	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.6	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.6	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.6	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	ND	0.6	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.6	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.6	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.6	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.6	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	103		%	10/21/11		MH	30 - 150 %
% TCMX	97		%	10/21/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 25, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

October 24, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/17/11	0:00
Location Code:	CDW-PCB | CW	Received by:	LB	10/19/11	18:16
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA89735
Phoenix ID: BA89752

Project ID: RUNKLE SCHOOL
Client ID: CW-18

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/20/11		JL	E160.3
Extraction for PCB	Completed			10/19/11		QQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1221	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1232	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1242	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1248	*	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1254	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1260	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1262	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
PCB-1268	ND	0.59	mg/Kg	10/21/11		MH	3540C/8082
Total PCBs	1.1	0.59	mg/Kg	10/21/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	110		%	10/21/11		MH	30 - 150 %
% TCMX	96		%	10/21/11		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: CW-18

Phoenix I.D.: BA89752

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 25, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 25, 2011

QA/QC Data

SDG I.D.: GBA89735

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits
QA/QC Batch 187184, QC Sample No: BA89557 (BA89735, BA89736, BA89737, BA89738, BA89739, BA89740, BA89741, BA89742, BA89743, BA89744, BA89745, BA89746, BA89747, BA89748, BA89749, BA89750, BA89751, BA89752)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	108	105	2.8				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	95	93	2.1				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	64	67	67	0.0				30 - 150	20
% TCMX (Surrogate Rec)	87	80	78	2.5				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
October 25, 2011

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6.1 Pg of 2

Data Delivery:
☐ Fax #:
☒ Email: Scahalan @ cdwconsultants.com

Customer: CDW Consultants
Address: 40 Speen St, Suite 301
Framingham MA, 01756

Project: Kunkle School
Report to:
Invoice to: CDW

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 10/18/11

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request: PCB Soxhlet; Baggie

Containers: Soil VOA Vials [ ] methanol [ ] Sod Bisulfate; GL Soil container ( )oz; GL Soil container ( )oz; 40 ml VOA Vial [ ] As is [ ] HCl; GL Amber 1000ml [ ] As is [ ] H2SO4; PL As is [ ] 250ml [ ] 500ml [ ] 1000ml; PL H2SO4 [ ] 250ml [ ] 500ml; PL HNO3 250ml; PL NaOH 250ml; Bacteria Bottle

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCB Soxhlet	Baggie
89735	CW-1	S	10/17/11	-	X	1
89736	CW-2	↓	↓	-	X	1
89737	CW-3	↓	↓	-	X	1
89738	CW-4	↓	↓	-	X	1
89739	CW-5	↓	↓	-	X	1
89740	CW-6	↓	↓	-	X	1
89741	CW-7	↓	↓	-	X	1
89742	CW-8	↓	↓	-	X	1
89743	CW-9	↓	↓	-	X	1
89744	CW-10	↓	↓	-	X	1
89745	CW-11	↓	↓	-	X	1
89746	CW-12	↓	↓	-	X	1

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature] 10-19-11	~~10/19/11~~	16:10
[signature]	[signature]	10/19/11	16:16

Turnaround: ☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☒ Standard ☐ Other
* SURCHARGE APPLIES

CT/RI: ☐ RCP Cert ☐ GW Protect ☐ GA Mobility ☐ GB Mobility ☐ SW Protection ☐ Res. Vol. ☐ Ind. Vol. ☐ Res. Criteria ☐ Other

MA: ☐ MCP Certification ☐ GW-1 ☐ GW-2 ☐ GW-3 ☐ S-1 ☐ S-2 ☐ S-3 ☐ MWRA eSMART ☐ Other

Data Format: ☐ Excel ☐ PDF ☐ GIS/Key ☐ EQuIS ☐ Other

Data Package: ☐ ASP-A ☐ NJ Reduced Deliv. * ☐ NJ Hazsite EDD ☐ Phoenix Std Report ☐ Other

Comments, Special Requirements or Regulations:
TSCA Detection Limits.

State where samples were collected: MA

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4.2 Pg 2 of

Data Delivery:
☐ Fax #: _____
☐ Email: See page 1

Customer: See page 1
Address: _____
_____

Project: See page 1
Report to: _____
Invoice to: _____

Project P.O: _____
Phone #: _____
Fax #: _____

Sampler's Signature: _____ Date: 10/19/11

Client Sample - Information - Identification

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
GW=groundwater **SL**=sludge **A**=air **X**=other

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request: PCB Soxhlet	Bagged	Soil VOA Vials [ ]	GL Soil container [ ] methanol [ ] Sod Bisulfate	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
89747	CW-13	S	10/17/11	-	X									1			
89748	CW-14	↓	↓	-	X									1			
89749	CW-15			-	X									1			
89750	CW-16			-	X									1			
89751	CW-17			-	X									1			
89752	CW-18	↓	↓	-	X									1			
	~~TB~~ (2)																

Relinquished by:	Accepted by:	Date:	Time:
	10-19-11	~~10/19/11~~	16:40
	Monica Pei	10/19/11	18:16

Comments, Special Requirements or Regulations:
TSCA detection Limits.

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

CT/RI
☐ RCP Cert
☐ GW Protect
☐ GA Mobility
☐ GB Mobility
☐ SW Protection
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other _____

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

State where samples were collected: MA.

PHOENIX
Environmental Laboratories, Inc.

Wednesday, October 12, 2011

Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Project ID: RENKE SCHOOL
Sample ID#s: BA85590 - BA85591

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 12, 2011

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		10/05/11	0:00
Location Code:	CDW-PCB | LOUVER S	Received by:	SW	10/07/11	15:59
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA85590
Phoenix ID: BA85590

Project ID: RENKE SCHOOL

Client ID: LOUVER SE OVER ROOF

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/07/11			E160.3
Caulk Extraction for PCB	Completed			10/07/11		C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.83	mg/Kg	10/10/11		MH	3540C/8082
PCB-1221	ND	0.83	mg/Kg	10/10/11		MH	3540C/8082
PCB-1232	ND	0.83	mg/Kg	10/10/11		MH	3540C/8082
PCB-1242	ND	0.83	mg/Kg	10/10/11		MH	3540C/8082
PCB-1248	ND	0.83	mg/Kg	10/10/11		MH	3540C/8082
PCB-1254	ND	0.83	mg/Kg	10/10/11		MH	3540C/8082
PCB-1260	ND	0.83	mg/Kg	10/10/11		MH	3540C/8082
PCB-1262	ND	0.83	mg/Kg	10/10/11		MH	3540C/8082
PCB-1268	ND	0.83	mg/Kg	10/10/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	113		%	10/10/11		MH	30 - 150 %
% TCMX	106		%	10/10/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
October 13, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 12, 2011

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		10/05/11	0:00
Location Code:	CDW-PCB | BRICK VEN	Received by:	SW	10/07/11	15:59
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA85590
Phoenix ID: BA85591

Project ID: RENKE SCHOOL

Client ID: BRICK VENCER WEDGE X-5 LINE

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/07/11			E160.3
Caulk Extraction for PCB	Completed			10/07/11		C/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	390	mg/Kg	10/11/11		MH	3540C/8082
PCB-1221	ND	390	mg/Kg	10/11/11		MH	3540C/8082
PCB-1232	ND	390	mg/Kg	10/11/11		MH	3540C/8082
PCB-1242	ND	390	mg/Kg	10/11/11		MH	3540C/8082
PCB-1248	*	390	mg/Kg	10/11/11		MH	3540C/8082
PCB-1254	ND	390	mg/Kg	10/11/11		MH	3540C/8082
PCB-1260	ND	390	mg/Kg	10/11/11		MH	3540C/8082
PCB-1262	ND	390	mg/Kg	10/11/11		MH	3540C/8082
PCB-1268	ND	390	mg/Kg	10/11/11		MH	3540C/8082
Total PCBs	6300	390	mg/Kg	10/11/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	Diluted Out		%	10/11/11		MH	30 - 150 %
% TCMX	Diluted Out		%	10/11/11		MH	30 - 150 %

Project ID: RENKE SCHOOL
Client ID: BRICK VENCER WEDGE X-5 LINE

Phoenix I.D.: BA85591

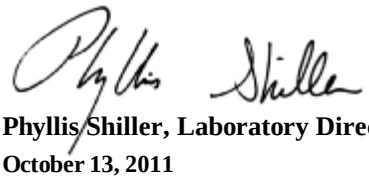
Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1248.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level



Phyllis Shiller, Laboratory Director
October 13, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 13, 2011

QA/QC Data

SDG I.D.: GBA85590

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits
QA/QC Batch 186434, QC Sample No: BA85255 (BA85590, BA85591)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	100	98	2.0	102	118	14.5	40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	101	101	0.0	105	117	10.8	40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	88	90	96	6.5	87	87	0.0	30 - 150	20
% TCMX (Surrogate Rec)	93	85	88	3.5	84	89	5.8	30 - 150	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
October 13, 2011

CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6 Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: scahalan@cdwconsultants.com

Customer: CDW Consultants
Address: 40 Speen St, Suite 301, Framingham MA 01756

Project: Fenkle School
Report to: Susan Cahalan
Invoice to: CDW

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 10/6/11

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request: PCB Soxhlet

Containers: baggie; Soil VOA Vials [ ] methanol [ ] Sod Bisulfate; GL Soil container ( ) oz; GL Soil container ( ) oz; 40 ml VOA Vial [ ] As is [ ] HCl; GL Amber 1000ml [ ] As is [ ] H2SO4; PL As is [ ] 250ml [ ] 500ml [ ] 1000ml; PL H2SO4 [ ] 250ml [ ] 500ml; PL HNO3 250ml; PL NaOH 250ml; Bacteria Bottle

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCB Soxhlet	baggie
85590	Louver SE overlap	S	10/5/11	—	X	1
85591	Brick veneer wedge X-5 line	S	10/5/11	—	X	1

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	10/6/11	13:30
[signature]	Monica J. Pen	10/9/11	15:59

Comments, Special Requirements or Regulations:
EPA TSCA detection limit

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

CT/RI
☐ RCP Cert
☐ GW Protect
☐ GA Mobility
☐ GB Mobility
☐ SW Protection
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

State where samples were collected: MA

PHOENIX
Environmental Laboratories, Inc.

Wednesday, September 28, 2011

Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Project ID: RUNKLE SCHOOL
Sample ID#s: BA79954 - BA79959, BA80307

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/22/11	0:00
Location Code:	CDW-PCB | W	Received by:	SW	09/23/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA79954
Phoenix ID: BA79954

Project ID: RUNKLE SCHOOL
Client ID: W-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	09/26/11		JL	E160.3
Extraction for PCB	Completed			09/23/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	1.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1221	ND	1.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1232	ND	1.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1242	ND	1.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1248	ND	1.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1254	ND	1.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1260	ND	1.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1262	ND	1.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1268	ND	1.6	mg/Kg	09/26/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	93		%	09/26/11		MH	30 - 150 %
% TCMX	94		%	09/26/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
September 29, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/22/11	0:00
Location Code:	CDW-PCB | W	Received by:	SW	09/23/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA79954
Phoenix ID: BA79955

Project ID: RUNKLE SCHOOL
Client ID: W-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	09/26/11		JL	E160.3
Extraction for PCB	Completed			09/23/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1221	ND	0.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1232	ND	0.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1242	ND	0.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1248	ND	0.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1254	ND	0.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1260	ND	0.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1262	ND	0.6	mg/Kg	09/26/11		MH	3540C/8082
PCB-1268	ND	0.6	mg/Kg	09/26/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	97		%	09/26/11		MH	30 - 150 %
% TCMX	92		%	09/26/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
September 29, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/22/11	0:00
Location Code:	CDW-PCB | W	Received by:	SW	09/23/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA79954
Phoenix ID: BA79956

Project ID: RUNKLE SCHOOL
Client ID: W-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	09/26/11		JL	E160.3
Extraction for PCB	Completed			09/23/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.83	mg/Kg	09/26/11		MH	3540C/8082
PCB-1221	ND	0.83	mg/Kg	09/26/11		MH	3540C/8082
PCB-1232	ND	0.83	mg/Kg	09/26/11		MH	3540C/8082
PCB-1242	ND	0.83	mg/Kg	09/26/11		MH	3540C/8082
PCB-1248	ND	0.83	mg/Kg	09/26/11		MH	3540C/8082
PCB-1254	ND	0.83	mg/Kg	09/26/11		MH	3540C/8082
PCB-1260	ND	0.83	mg/Kg	09/26/11		MH	3540C/8082
PCB-1262	ND	0.83	mg/Kg	09/26/11		MH	3540C/8082
PCB-1268	ND	0.83	mg/Kg	09/26/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	98		%	09/26/11		MH	30 - 150 %
% TCMX	95		%	09/26/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
September 29, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/22/11	0:00
Location Code:	CDW-PCB | W	Received by:	SW	09/23/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA79954
Phoenix ID: BA79957

Project ID: RUNKLE SCHOOL
Client ID: W-4

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	09/26/11		JL	E160.3
Extraction for PCB	Completed			09/23/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.78	mg/Kg	09/26/11		MH	3540C/8082
PCB-1221	ND	0.78	mg/Kg	09/26/11		MH	3540C/8082
PCB-1232	ND	0.78	mg/Kg	09/26/11		MH	3540C/8082
PCB-1242	ND	0.78	mg/Kg	09/26/11		MH	3540C/8082
PCB-1248	ND	0.78	mg/Kg	09/26/11		MH	3540C/8082
PCB-1254	ND	0.78	mg/Kg	09/26/11		MH	3540C/8082
PCB-1260	ND	0.78	mg/Kg	09/26/11		MH	3540C/8082
PCB-1262	ND	0.78	mg/Kg	09/26/11		MH	3540C/8082
PCB-1268	ND	0.78	mg/Kg	09/26/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	95		%	09/26/11		MH	30 - 150 %
% TCMX	96		%	09/26/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
September 29, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Analysis Report

September 28, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/22/11	0:00
Location Code:	CDW-PCB | W	Received by:	SW	09/23/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA79954
Phoenix ID: BA79958

Project ID: RUNKLE SCHOOL
Client ID: W-5

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	09/26/11		JL	E160.3
Extraction for PCB	Completed			09/23/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.71	mg/Kg	09/26/11		MH	3540C/8082
PCB-1221	ND	0.71	mg/Kg	09/26/11		MH	3540C/8082
PCB-1232	ND	0.71	mg/Kg	09/26/11		MH	3540C/8082
PCB-1242	ND	0.71	mg/Kg	09/26/11		MH	3540C/8082
PCB-1248	ND	0.71	mg/Kg	09/26/11		MH	3540C/8082
PCB-1254	ND	0.71	mg/Kg	09/26/11		MH	3540C/8082
PCB-1260	ND	0.71	mg/Kg	09/26/11		MH	3540C/8082
PCB-1262	ND	0.71	mg/Kg	09/26/11		MH	3540C/8082
PCB-1268	ND	0.71	mg/Kg	09/26/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	98		%	09/26/11		MH	30 - 150 %
% TCMX	92		%	09/26/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
September 29, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		09/22/11	0:00
Location Code:	CDW-PCB | W	Received by:	SW	09/23/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA79954
Phoenix ID: BA79959

Project ID: RUNKLE SCHOOL
Client ID: W-6

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	09/26/11		JL	E160.3
Extraction for PCB	Completed			09/23/11		CQ/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.43	mg/Kg	09/26/11		MH	3540C/8082
PCB-1221	ND	0.43	mg/Kg	09/26/11		MH	3540C/8082
PCB-1232	ND	0.43	mg/Kg	09/26/11		MH	3540C/8082
PCB-1242	ND	0.43	mg/Kg	09/26/11		MH	3540C/8082
PCB-1248	ND	0.43	mg/Kg	09/26/11		MH	3540C/8082
PCB-1254	ND	0.43	mg/Kg	09/26/11		MH	3540C/8082
PCB-1260	ND	0.43	mg/Kg	09/26/11		MH	3540C/8082
PCB-1262	ND	0.43	mg/Kg	09/26/11		MH	3540C/8082
PCB-1268	ND	0.43	mg/Kg	09/26/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	96		%	09/26/11		MH	30 - 150 %
% TCMX	92		%	09/26/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
September 29, 2011

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

September 28, 2011

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MG	09/22/11	0:00
Location Code:	CDW-PCB | W	Received by:	LDA	09/23/11	16:10
Rush Request:		Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBA79954
Phoenix ID: BA80307

Project ID: RUNKLE SCHOOL
Client ID: W-7

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	09/27/11		JL	E160.3
Extraction for PCB	Completed			09/26/11		CC/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.37	mg/Kg	09/27/11		MH	3540C/8082
PCB-1221	ND	0.37	mg/Kg	09/27/11		MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	09/27/11		MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	09/27/11		MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	09/27/11		MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	09/27/11		MH	3540C/8082
PCB-1260	ND	0.37	mg/Kg	09/27/11		MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	09/27/11		MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	09/27/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	93		%	09/27/11		MH	30 - 150 %
% TCMX	103		%	09/27/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
September 29, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

September 29, 2011

QA/QC Data

SDG I.D.: GBA79954

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits
QA/QC Batch 185232, QC Sample No: BA79959 (BA79954, BA79955, BA79956, BA79957, BA79958, BA79959, BA80307)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	102	102	0.0				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	107	105	1.9				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	84	85	88	3.5				30 - 150	20
% TCMX (Surrogate Rec)	84	82	84	2.4				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
September 29, 2011

Sample Criteria Exceedences Report

Requested Criteria: CAM

GBA79954

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
BA80307	CDW-PCB	$PCB_SOXR	PCB-1016	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	370		100	ug/Kg
BA80307	CDW-PCB	$PCB_SOXR	PCB-1221	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	370		100	ug/Kg
BA80307	CDW-PCB	$PCB_SOXR	PCB-1232	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	370		100	ug/Kg
BA80307	CDW-PCB	$PCB_SOXR	PCB-1242	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	370		100	ug/Kg
BA80307	CDW-PCB	$PCB_SOXR	PCB-1248	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	370		100	ug/Kg
BA80307	CDW-PCB	$PCB_SOXR	PCB-1254	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	370		100	ug/Kg
BA80307	CDW-PCB	$PCB_SOXR	PCB-1260	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	370		100	ug/Kg
BA80307	CDW-PCB	$PCB_SOXR	PCB-1262	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	370		100	ug/Kg
BA80307	CDW-PCB	$PCB_SOXR	PCB-1268	ug/kg	MA	Cam Protocol	PCB SOIL RL	ND	370		100	ug/Kg

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6° Pg 1 of 1

Data Delivery:
☐ Fax #: _____
☒ Email: scahalan@cdwconsultants.com

Customer: CDW Consultants
Address: 40 Speen St, Suite 301, Framingham MA 01752

Project: Runkle School
Report to: Susan Cahalan
Invoice to: CDW

Project P.O: _____
Phone #: _____
Fax #: _____

Client Sample - Information - Identification

Sampler's Signature: Michael A. Gage Date: 9/22/11

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request: PCB Soxhlet; Baggie

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCB Soxhlet	Baggie: Soil VOA Vials	GL Soil container ( ) methanol	GL Soil container ( ) Sod Bisulfate	40 ml VOA Vial	GL Amber 1000ml	PL As is	PL H2SO4	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
79954	W-1	S	9/22/11	–	X	1									
79955	W-2	S	9/22/11	–	X	1									
79956	W-3	S	9/22/11	–	X	1									
79957	W-4	S	9/22/11	–	X	1									
79958	W-5	S	9/22/11	–	X	1									
79959	W-6	S	9/22/11	–	X	1									
80307	W-7 *	S													

Relinquished by:	Accepted by:	Date:	Time:
Michael A. Gage		9/22/11	14:30
		9.23.11	16:10

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

CT/RI
☐ RCP Cert
☐ GW Protect
☐ GA Mobility
☐ GB Mobility
☐ SW Protection
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other _____

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

Comments, Special Requirements or Regulations:
EPA TSCA detection limits * Added per client request (SJ)
Also rec'd sample labeled W-7
SW - Emailed Susan Cahalan - 9-23-11

State where samples were collected: MA

Shannon - Phoenixlabs

From: "Susan Cahalan" <scahalan@cdwconsultants.com>
To: "Shannon - Phoenixlabs" <shannon@phoenixlabs.com>
Sent: Friday, September 23, 2011 10:40 PM
Subject: Re: Runkle School

Hi, yes please.
On Fri, 23 Sep 2011 17:13:20 -0400, Shannon - Phoenixlabs
<shannon@phoenixlabs.com> wrote:
Susan,
> We received an extra sample today labeled W-7 that was not on
> the chain of custody. Would you like me to add it and analyze for PCB
> via Soxhlet? Please let me know. Thank you.
>
> Shannon Wilhelm
> Phoenix Environmental Labs
>

--
Susan Cahalan
CDW Consultants Inc.
508-875-2657 ext 25
774-244-6859 (cell)

PHOENIX
Environmental Laboratories, Inc.

Tuesday, May 03, 2011

Ms. Sue Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Project ID: RINKLE SCHOOL
Sample ID#s: BA25304 - BA25307

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 03, 2011

FOR: Ms. Sue Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MG	04/26/11	13:00
Location Code:	CDW-PCB	Received by:	LB	04/27/11	16:58
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1132				

Laboratory Data

SDG ID: GBA25304
Phoenix ID: BA25304

Project ID: RINKLE SCHOOL

Client ID: IW-1

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	04/28/11		JL	E160.3
Extraction for PCB	Completed			04/28/11		TB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.062	mg/Kg	05/02/11		MH	3540C/8082
PCB-1221	ND	0.062	mg/Kg	05/02/11		MH	3540C/8082
PCB-1232	ND	0.062	mg/Kg	05/02/11		MH	3540C/8082
PCB-1242	ND	0.062	mg/Kg	05/02/11		MH	3540C/8082
PCB-1248	ND	0.062	mg/Kg	05/02/11		MH	3540C/8082
PCB-1254	ND	0.062	mg/Kg	05/02/11		MH	3540C/8082
PCB-1260	ND	0.062	mg/Kg	05/02/11		MH	3540C/8082
PCB-1262	ND	0.062	mg/Kg	05/02/11		MH	3540C/8082
PCB-1268	ND	0.062	mg/Kg	05/02/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	88		%	05/02/11		MH	3540C/8082
% TCMX	91		%	05/02/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
May 05, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 03, 2011

FOR: Ms. Sue Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MG	04/26/11	13:15
Location Code:	CDW-PCB	Received by:	LB	04/27/11	16:58
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1132				

Laboratory Data

SDG ID: GBA25304
Phoenix ID: BA25305

Project ID: RINKLE SCHOOL
Client ID: IW-2

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	04/28/11		JL	E160.3
Extraction for PCB	Completed			04/28/11		TB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.071	mg/Kg	05/02/11		MH	3540C/8082
PCB-1221	ND	0.071	mg/Kg	05/02/11		MH	3540C/8082
PCB-1232	ND	0.071	mg/Kg	05/02/11		MH	3540C/8082
PCB-1242	ND	0.071	mg/Kg	05/02/11		MH	3540C/8082
PCB-1248	ND	0.071	mg/Kg	05/02/11		MH	3540C/8082
PCB-1254	ND	0.071	mg/Kg	05/02/11		MH	3540C/8082
PCB-1260	ND	0.071	mg/Kg	05/02/11		MH	3540C/8082
PCB-1262	ND	0.071	mg/Kg	05/02/11		MH	3540C/8082
PCB-1268	ND	0.071	mg/Kg	05/02/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	55		%	05/02/11		MH	3540C/8082
% TCMX	95		%	05/02/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
May 05, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 03, 2011

FOR: Ms. Sue Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MG	04/26/11	13:30
Location Code:	CDW-PCB	Received by:	LB	04/27/11	16:58
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1132				

Laboratory Data

SDG ID: GBA25304
Phoenix ID: BA25306

Project ID: RINKLE SCHOOL
Client ID: IW-3

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	04/28/11		JL	E160.3
Extraction for PCB	Completed			04/28/11		TB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.066	mg/Kg	05/02/11		MH	3540C/8082
PCB-1221	ND	0.066	mg/Kg	05/02/11		MH	3540C/8082
PCB-1232	ND	0.066	mg/Kg	05/02/11		MH	3540C/8082
PCB-1242	ND	0.066	mg/Kg	05/02/11		MH	3540C/8082
PCB-1248	ND	0.066	mg/Kg	05/02/11		MH	3540C/8082
PCB-1254	ND	0.066	mg/Kg	05/02/11		MH	3540C/8082
PCB-1260	ND	0.066	mg/Kg	05/02/11		MH	3540C/8082
PCB-1262	ND	0.066	mg/Kg	05/02/11		MH	3540C/8082
PCB-1268	ND	0.066	mg/Kg	05/02/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	91		%	05/02/11		MH	3540C/8082
% TCMX	91		%	05/02/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
May 05, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

May 03, 2011

FOR: Ms. Sue Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MG	04/26/11	13:45
Location Code:	CDW-PCB	Received by:	LB	04/27/11	16:58
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	1132				

Laboratory Data

SDG ID: GBA25304
Phoenix ID: BA25307

Project ID: RINKLE SCHOOL
Client ID: IW-4

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	04/28/11		JL	E160.3
Extraction for PCB	Completed			04/28/11		TB/K	SW3540C
PCB (Soxhlet)							
PCB-1016	0.15	0.067	mg/Kg	05/02/11		MH	3540C/8082
PCB-1221	ND	0.067	mg/Kg	05/02/11		MH	3540C/8082
PCB-1232	ND	0.067	mg/Kg	05/02/11		MH	3540C/8082
PCB-1242	ND	0.067	mg/Kg	05/02/11		MH	3540C/8082
PCB-1248	ND	0.067	mg/Kg	05/02/11		MH	3540C/8082
PCB-1254	ND	0.067	mg/Kg	05/02/11		MH	3540C/8082
PCB-1260	ND	0.067	mg/Kg	05/02/11		MH	3540C/8082
PCB-1262	ND	0.067	mg/Kg	05/02/11		MH	3540C/8082
PCB-1268	ND	0.067	mg/Kg	05/02/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	103		%	05/02/11		MH	3540C/8082
% TCMX	100		%	05/02/11		MH	3540C/8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
May 05, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

May 05, 2011

QA/QC Data

SDG I.D.: GBA25304

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 175772, QC Sample No: BA25183 (BA25304, BA25305, BA25306, BA25307)							
Polychlorinated Biphenyls							
PCB-1016	ND	108	122	12.2	88	92	4.4
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	88	98	10.8	105	113	7.3
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	84	79	95	18.4	75	79	5.2
% TCMX (Surrogate Rec)	82	78	82	5.0	76	78	2.6

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
May 05, 2011

Sample Criteria Exceedences Report

Requested Criteria: CAM

GBA25304

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

MassDEP Analytical Protocol Certification Form

Laboratory Name: Phoenix Environmental Laboratories, Inc. **Project #:**

Project Location: RINKLE SCHOOL **RTN:**

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

BA25304, BA25305, BA25306, BA25307

Matrices: ☐ Groundwater/Surface Water ☑ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:

CAM Protocol (check all that apply below)

8260 VOC CAM II A ☐	7470/7471 Hg CAM III B ☐	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☐	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☐	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☐	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☐	6020 Metals CAM III D ☐	8082 PCB CAM V A ☑	9014 Total Cyanide/PAC CAM V1 A ☐	6860 Perchlorate CAM VIII B ☐	

Affirmative responses to questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature*) in the field or laboratory, and prepared/analyzed with method holding times? (* see narrative)	☑ Yes ☐ No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☑ Yes ☐ No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes ☐ No
D	Does the laboratory report comply with all the reporting requirements speified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑ Yes ☐ No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ☐ Yes ☐ No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	☑ Yes ☐ No

Responses to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☑ Yes ☐ No

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056(2)(k) and WSC-07-350

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☑ Yes ☐ No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes ☐ No

All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Authorized Signature: 

Date: Thursday, May 05, 2011

Printed Name: Greg Lawrence

Position: Assistant Lab Director

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

MCP Certification Report

May 05, 2011

SDG I.D.: GBA25304

PCB Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument: Au-ecd5 05/02/11-1 (BA25304, BA25305, BA25306, BA25307)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 5/2/2011

Instrument: Au-ecd7 05/03/11-1 (BA25304)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 5/3/2011

QC (Batch Specific)

---------- Sample No: BA25183 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6° Pg 1 of 1

Data Delivery:
☐ Fax #:
☒ Email: Scahalan@cdwconsultants.com

Customer: CDW Consultants
Address: 40 Speen St, Suite 301, Framingham MA 01754

Project: Rinkle School
Report to: Sue Cahalan
Invoice to: Customer

Project P.O: 1132
Phone #: (508) 875 2657
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Michael A Coyne Date: 4/26/11

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs via Soxhlet	Baggie Soil VOA Vials [ ]	GL Soil container [ ] methanol [ ] Sod Bisulfate	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] As is [ ] H2SO4	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
25304	IW-1	S	4-26-11	1300	X	1									
25305	IW-2	S	4-26-11	1315	X	1									
25306	IW-3	S	4-26-11	1330	X	1									
25307	IW-4	S	4-26-11	1345	X	1									

Relinquished by:	Accepted by:	Date:	Time:
Michael A Coyne	Michael A Coyne	4-27-11	11:15
Michael A Coyne	Monica Pelli	4/27/11	16:58

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

CT/RI
☐ RCP Cert
☐ GW Protect
☐ GA Mobility
☐ GB Mobility
☐ SW Protection
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☒ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☒ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☒ Phoenix Std Report
☐ Other

Comments, Special Requirements or Regulations:
EPA TSCA - Low detection limits ~ 0.25 - 0.5 ppm.

State where samples were collected: MA

PHOENIX
Environmental Laboratories, Inc.

Monday, November 14, 2011

Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Project ID: RUNKLE SCHOOL
Sample ID#s: BB00866

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 14, 2011

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:		11/10/11	0:00
Location Code:	CDW-PCB | TUBE CAU	Received by:	SW	11/11/11	16:45
Rush Request:	RUSH#	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB00866
Phoenix ID: BB00866

Project ID: RUNKLE SCHOOL
Client ID: TUBE CAULK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	11/11/11			E160.3
Caulk Extraction for PCB	Completed			11/11/11		BB/D	SW3540C
PCB (Soxhlet)							
PCB-1016	ND	0.8	mg/Kg	11/14/11		MH	3540C/8082
PCB-1221	ND	0.8	mg/Kg	11/14/11		MH	3540C/8082
PCB-1232	ND	0.8	mg/Kg	11/14/11		MH	3540C/8082
PCB-1242	ND	0.8	mg/Kg	11/14/11		MH	3540C/8082
PCB-1248	ND	0.8	mg/Kg	11/14/11		MH	3540C/8082
PCB-1254	ND	0.8	mg/Kg	11/14/11		MH	3540C/8082
PCB-1260	ND	0.8	mg/Kg	11/14/11		MH	3540C/8082
PCB-1262	ND	0.8	mg/Kg	11/14/11		MH	3540C/8082
PCB-1268	ND	0.8	mg/Kg	11/14/11		MH	3540C/8082
QA/QC Surrogates							
% DCBP	101		%	11/14/11		MH	30 - 150 %
% TCMX	82		%	11/14/11		MH	30 - 150 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
November 15, 2011

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 15, 2011

QA/QC Data

SDG I.D.: GBB00866

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits
QA/QC Batch 188725, QC Sample No: BA99924 (BB00866)									
Polychlorinated Biphenyls - Soil									
PCB-1016	ND	103	98	5.0				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	94	94	0.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	87	76	76	0.0				30 - 150	20
% TCMX (Surrogate Rec)	88	76	76	0.0				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
November 15, 2011

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6°C Pg of 1

Data Delivery:
☐ Fax #: _____
☐ Email: _____

Customer: CDM Consultant
Address: 40 Speen St, Suite 301, Framingham MA 01754

Project: Runkle School
Report to: Susan Carlson
Invoice to: CDM

Project P.O: _____
Phone #: _____
Fax #: _____

Client Sample - Information - Identification

Sampler's Signature: _____ Date: 11/10/11

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=oil
GW=groundwater SL=sludge A=air X=other

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs 8082	Tube	Soil VOA Vials [ ]	GL Soil container [ ] methanol [ ] Sod Bisulfate	GL Soil container ( ) oz	( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
008606	Tube Caulk	S	—	—	X									1			

Relinquished by:	Accepted by:	Date:	Time:
		11/10/11	15:00
	Brittany Harbee	11/11/11	11:01:25

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☒ 2 Days*
☐ 3 Days*
☐ Standard
☐ Other

* SURCHARGE APPLIES

CT/RI
☐ RCP Cert
☐ GW Protect
☐ GA Mobility
☐ GB Mobility
☐ SW Protection
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: _____

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other _____

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

Report Date:
28-Jun-11 10:37

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

CDW Consultants, Inc.
40 Speen Street; Suite 301
Framingham, MA 01701
Attn: Susan Cahalan-Roach

Project: Runkle School - Brookline, MA
Project #: 1211.0

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB30307-01	PCB Soil-1	Soil	16-Jun-11 13:00	17-Jun-11 16:45
SB30307-02	PCB Soil-2	Soil	16-Jun-11 13:15	17-Jun-11 16:45
SB30307-03	PCB Soil-3	Soil	16-Jun-11 13:20	17-Jun-11 16:45
SB30307-04	PCB Soil-4	Soil	16-Jun-11 13:30	17-Jun-11 16:45
SB30307-05	PCB Soil-5	Soil	16-Jun-11 13:40	17-Jun-11 16:45

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of Massachusetts for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of Massachusetts does not offer certification for all analytes.
Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 5.0 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 1.8 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

MADEP has published a list of analytical methods (CAM) which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of MCP decisions. "Presumptive Certainty" can be established only for those methods published by the MADEP in the MCP CAM. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

According to WSC-CAM 5/2009 Rev.1, Table 11 A-1, recovery for some VOC analytes have been deemed potentially difficult. Although they may still be within the recommended recovery range, a range has been set based on historical control limits.

Some target analytes which are not listed as exceptions in the Summary of CAM Reporting Limits may exceed the recommended RL based on sample initial volume or weight provided, % moisture content, or responsiveness of a particular analyte to purge and trap instrumentation.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PCB Soil-1	1211.0	Soil	16-Jun-11 13:00	17-Jun-11
SB30307-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.4	1	SW846 8082A	23-Jun-11	24-Jun-11	IMR	1112060	
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.4	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.4	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.4	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.4	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.4	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.4	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.4	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	86.5		%		1	SM2540 G Mod.	21-Jun-11	21-Jun-11	DT	1111911	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PCB Soil-2	1211.0	Soil	16-Jun-11 13:15	17-Jun-11
SB30307-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	20.4	1	SW846 8082A	23-Jun-11	24-Jun-11	IMR	1112060	
11104-28-2	Aroclor-1221	BRL		µg/kg dry	20.4	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BRL		µg/kg dry	20.4	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BRL		µg/kg dry	20.4	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BRL		µg/kg dry	20.4	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BRL		µg/kg dry	20.4	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BRL		µg/kg dry	20.4	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BRL		µg/kg dry	20.4	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BRL		µg/kg dry	20.4	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*55*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	92.2		%		1	SM2540 G Mod.	21-Jun-11	21-Jun-11	DT	1111911	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PCB Soil-3	1211.0	Soil	16-Jun-11 13:20	17-Jun-11
SB30307-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.3	1	SW846 8082A	23-Jun-11	24-Jun-11	IMR	1112060	
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.3	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.3	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.3	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.3	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.3	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.3	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.3	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.3	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	92.2		%		1	SM2540 G Mod.	21-Jun-11	21-Jun-11	DT	1111911	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PCB Soil-4	1211.0	Soil	16-Jun-11 13:30	17-Jun-11
SB30307-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	23.1	1	SW846 8082A	23-Jun-11	24-Jun-11	IMR	1112060	
11104-28-2	Aroclor-1221	BRL		µg/kg dry	23.1	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BRL		µg/kg dry	23.1	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BRL		µg/kg dry	23.1	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BRL		µg/kg dry	23.1	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BRL		µg/kg dry	23.1	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BRL		µg/kg dry	23.1	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BRL		µg/kg dry	23.1	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BRL		µg/kg dry	23.1	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*140*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	83.5		%		1	SM2540 G Mod.	21-Jun-11	21-Jun-11	DT	1111911	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PCB Soil-5	1211.0	Soil	16-Jun-11 13:40	17-Jun-11
SB30307-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	19.7	1	SW846 8082A	23-Jun-11	24-Jun-11	IMR	1112060	
11104-28-2	Aroclor-1221	BRL		µg/kg dry	19.7	1	"	"	"	"	"	
11141-16-5	Aroclor-1232	BRL		µg/kg dry	19.7	1	"	"	"	"	"	
53469-21-9	Aroclor-1242	BRL		µg/kg dry	19.7	1	"	"	"	"	"	
12672-29-6	Aroclor-1248	BRL		µg/kg dry	19.7	1	"	"	"	"	"	
11097-69-1	Aroclor-1254	BRL		µg/kg dry	19.7	1	"	"	"	"	"	
11096-82-5	Aroclor-1260	BRL		µg/kg dry	19.7	1	"	"	"	"	"	
37324-23-5	Aroclor-1262	BRL		µg/kg dry	19.7	1	"	"	"	"	"	
11100-14-4	Aroclor-1268	BRL		µg/kg dry	19.7	1	"	"	"	"	"	
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.1		%		1	SM2540 G Mod.	21-Jun-11	21-Jun-11	DT	1111911	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1112060 - SW846 3545A										
Blank (1112060-BLK1)						Prepared & Analyzed: 23-Jun-11				
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.0*		µg/kg wet		*20.0*		*95*	*30-150*		
LCS (1112060-BS1)						Prepared & Analyzed: 23-Jun-11				
Aroclor-1016	245		µg/kg wet	20.0	250		98	50-140		
Aroclor-1016 [2C]	238		µg/kg wet	20.0	250		95	50-140		
Aroclor-1260	236		µg/kg wet	20.0	250		94	50-140		
Aroclor-1260 [2C]	211		µg/kg wet	20.0	250		84	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1112060-BSD1)						Prepared & Analyzed: 23-Jun-11				
Aroclor-1016	247		µg/kg wet	20.0	250		99	50-140	0.8	30
Aroclor-1016 [2C]	235		µg/kg wet	20.0	250		94	50-140	1	30
Aroclor-1260	237		µg/kg wet	20.0	250		95	50-140	0.4	30
Aroclor-1260 [2C]	211		µg/kg wet	20.0	250		84	50-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		

Notes and Definitions

BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor
Kimberly Wisk

MassDEP Analytical Protocol Certification Form

Laboratory Name: Spectrum Analytical, Inc.	**Project #:** 1211.0
Project Location: Runkle School - Brookline, MA	**RTN:**
This form provides certifications for the following data set:	SB30307-01 through SB30307-05
Matrices: Soil	

CAM Protocol

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	✓ 8082 PCB CAM V A	9012 Total Cyanide/PAC CAM VI A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B

Affirmative responses to questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain of Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	✓ Yes	No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	✓ Yes	No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	✓ Yes	No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	✓ Yes	No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes Yes	No No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to questions A through E)?	✓ Yes	No

Responses to questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	✓ Yes	No

<u>Data User Note:</u> Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	✓ Yes	No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	✓ Yes	No

All negative responses are addressed in a case narrative on the cover page of this report.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Nicole Leja
Laboratory Director
Date: 6/28/2011

SB 30307

MITKEM LABORATORIES
A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
TAT- Indicate Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 30 days unless otherwise instructed.

Report To: Susan Cahalan
CDW Consultants
40 Speen St. Suite 301
Framingham MA 01754
Project Mgr.: Sue Cahalan

Invoice To: CDW Consultants
40 Speen ST
Suite 301
Framingham, MA 01754
P.O. No.: _____ RQN: _____

Project No.: Runkle School
Site Name: 1211.0
Location: Brookline State: MA
Sampler(s): Sue Caha

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= None 10= _____ 11= _____

List preservative code below: 9

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: PCBs 8082
30307-01	PCB Soil-1	6/16/11	1300	G	SO				1	✓
-02	PCB Soil-2		1315						1	✓
-03	PCB Soil-3		1320						1	✓
-04	PCB Soil-4		1330						1	✓
-05	PCB Soil-5		1340						1	✓

QA/QC Reporting Level
☐ Level I ☐ Level II
☐ Level III ☐ Level IV
☐ Other _____

State specific reporting standards: DEP CAM

run all from containers provided per client req

☒ E-mail to scahalan@cdwconsultants.com.
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 5

Relinquished by:	Received by:	Date:	Time:
		6/17/11	13:43
		6/17/11	16:45

1.8

REF

PHOENIX
Environmental Laboratories, Inc.

Wednesday, April 04, 2012

Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Project ID: RUNKLE SCHOOL
Sample ID#s: BB59526 - BB59540

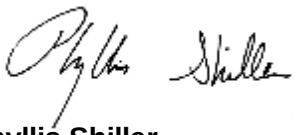
This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	11:25
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59526

Project ID: RUNKLE SCHOOL
Client ID: WP-25

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1221	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1232	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1242	*	1.0	ug	04/02/12		MH	SW8082
PCB-1248	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1254	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1260	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1262	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1268	ND	1.0	ug	04/02/12		MH	SW8082
Total PCBs	1.6	1.0	ug	04/02/12		MH	SW8082
QA/QC Surrogates							
% DCBP	107		%	04/02/12		MH	30 - 150 %
% TCMX	100		%	04/02/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-25

Phoenix I.D.: BB59526

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1242.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	11:35
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59527

Project ID: RUNKLE SCHOOL
Client ID: WP-25 DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1221	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1232	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1242	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1248	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1254	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1260	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1262	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1268	ND	1.0	ug	04/02/12		MH	SW8082
QA/QC Surrogates							
% DCBP	101		%	04/02/12		MH	30 - 150 %
% TCMX	84		%	04/02/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	11:45
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59528

Project ID: RUNKLE SCHOOL
Client ID: WP-26

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	102		%	03/29/12		MH	30 - 150 %
% TCMX	84		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	11:50
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59529

Project ID: RUNKLE SCHOOL
Client ID: WP-27

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	110		%	03/29/12		MH	30 - 150 %
% TCMX	92		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	11:55
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59530

Project ID: RUNKLE SCHOOL
Client ID: WP-28

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	101		%	03/29/12		MH	30 - 150 %
% TCMX	83		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	12:00
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59531

Project ID: RUNKLE SCHOOL
Client ID: WP-29

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	101		%	03/29/12		MH	30 - 150 %
% TCMX	82		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-29

Phoenix I.D.: BB59531

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	12:10
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59532

Project ID: RUNKLE SCHOOL
Client ID: WP-30

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	101		%	03/29/12		MH	30 - 150 %
% TCMX	84		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-30

Phoenix I.D.: BB59532

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 04, 2012

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Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	12:15
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59533

Project ID: RUNKLE SCHOOL
Client ID: WP-31

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	98		%	03/29/12		MH	30 - 150 %
% TCMX	79		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
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Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	12:16
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59534

Project ID: RUNKLE SCHOOL
Client ID: WP-32

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	99		%	03/29/12		MH	30 - 150 %
% TCMX	81		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-32

Phoenix I.D.: BB59534

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 04, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	12:20
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59535

Project ID: RUNKLE SCHOOL
Client ID: WP-33

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	98		%	03/29/12		MH	30 - 150 %
% TCMX	81		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-33

Phoenix I.D.: BB59535

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

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ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	12:30
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59536

Project ID: RUNKLE SCHOOL
Client ID: WP-34

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	102		%	03/29/12		MH	30 - 150 %
% TCMX	82		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-34

Phoenix I.D.: BB59536

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 04, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	12:45
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59537

Project ID: RUNKLE SCHOOL
Client ID: WP-35

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	101		%	03/29/12		MH	30 - 150 %
% TCMX	81		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-35

Phoenix I.D.: BB59537

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	12:50
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59538

Project ID: RUNKLE SCHOOL
Client ID: WP-36

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	100		%	03/29/12		MH	30 - 150 %
% TCMX	80		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-36

Phoenix I.D.: BB59538

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 04, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	13:00
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59539

Project ID: RUNKLE SCHOOL
Client ID: WP-36 DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/30/12		MH	SW8082
QA/QC Surrogates							
% DCBP	101		%	03/30/12		MH	30 - 150 %
% TCMX	84		%	03/30/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-36 DUP

Phoenix I.D.: BB59539

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 04, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	0:00
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59526
Phoenix ID: BB59540

Project ID: RUNKLE SCHOOL
Client ID: FB

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/30/12		MH	SW8082
QA/QC Surrogates							
% DCBP	99		%	03/30/12		MH	30 - 150 %
% TCMX	80		%	03/30/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 04, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

QA/QC Report

April 04, 2012

QA/QC Data

SDG I.D.: GBB59526

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 197156, QC Sample No: BB59514 (BB59526, BB59527, BB59528, BB59529, BB59530, BB59531, BB59532, BB59533)									
Polychlorinated Biphenyl									
PCB-1016	ND	93	98	5.2				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	98	103	5.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	107	107	107	0.0				30 - 150	20
% TCMX (Surrogate Rec)	75	79	83	4.9				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 197157, QC Sample No: BB59540 (BB59534, BB59535, BB59536, BB59537, BB59538, BB59539, BB59540)									
Polychlorinated Biphenyl									
PCB-1016	ND	93	94	1.1				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	106	105	0.9				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	112	108	103	4.7				30 - 150	20
% TCMX (Surrogate Rec)	83	77	80	3.8				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
April 04, 2012

CHAIN OF CUSTODY RECORD

Temp 4°C Pg 3 of 4

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #: _____
☐ Email: _____

Customer: See Pg 1 Project: _____ Project P.O: _____
Address: _____ Report to: _____ Phone #: _____
_____ Invoice to: _____ Fax #: _____

Client Sample - Information - Identification

Sampler's Signature _____ Date: 3/27/12

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
SE=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request: PCB SOX/HCl

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
~~59524~~ 59524	WP-23	W	3/27/12	1115	X						1			
59525	WP-24			1120	X						1			
59526	WP-25			1125	X						1			
59527	WP-25 dup			1135	X						1			
59528	WP-26			1145	X						1			
59529	WP-27			1150	X						1			
59530	WP-28			1155	X						1			
59531	WP-29			1200	X						1			
59532	WP-30			1210	X						1			
59533	WP-31			1215	X						1			
59534	WP-32			1216	X						1			
59535	WP-33			1220	X						1			

Relinquished by:	Accepted by:	Date:	Time:
		3/27/12	1610
		3-28-12	1800

Comments, Special Requirements or Regulations:
TSCA Data

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: MA

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES

CHAIN OF CUSTODY RECORD

Temp 9°C Pg 4 of 4

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #: _____
☐ Email: _____

Customer: See pg 1
Address:

Project:
Report to:
Invoice to:

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: _____ Date: 3/27/12

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
SE=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
59536	WP-34	W	3/27/12	1230	X			1						
59537	WP-35			1245	X			1						
59538	WP-36			1250	X			1						
59539	WP-36DUP			1300	X			1						
59540	FB			—	X			1						

Relinquished by:	Accepted by:	Date:	Time:
		3/27/12	16:10
		3/27/12	1800
		3-28-12	1800

Comments, Special Requirements or Regulations:
TSCA Detection

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: MA

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

Thursday, April 05, 2012

Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Project ID: RUNKLE SCHOOL
Sample ID#s: BB59500 - BB59525

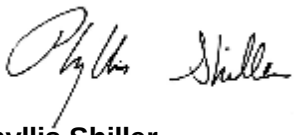
This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,



Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	9:00
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59500

Project ID: RUNKLE SCHOOL

Client ID: WP-1

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BB/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	102		%	03/29/12		MH	30 - 150 %
% TCMX	82		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	9:05
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59501

Project ID: RUNKLE SCHOOL
Client ID: WP-2

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BB/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	102		%	03/29/12		MH	30 - 150 %
% TCMX	80		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	9:15
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59502

Project ID: RUNKLE SCHOOL
Client ID: WP-3

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BB/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1221	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1232	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1242	*	1.0	ug	04/02/12		MH	SW8082
PCB-1248	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1254	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1260	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1262	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1268	ND	1.0	ug	04/02/12		MH	SW8082
Total PCBs	1.2	1.0	ug	04/02/12		MH	SW8082
QA/QC Surrogates							
% DCBP	118		%	04/02/12		MH	30 - 150 %
% TCMX	107		%	04/02/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-3

Phoenix I.D.: BB59502

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1242.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	9:20
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59503

Project ID: RUNKLE SCHOOL
Client ID: WP-4

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1254	1.0	1.0	ug	03/30/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/30/12		MH	SW8082
QA/QC Surrogates							
% DCBP	98		%	03/30/12		MH	30 - 150 %
% TCMX	80		%	03/30/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	9:30
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59504

Project ID: RUNKLE SCHOOL
Client ID: WP-5

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/30/12		MH	SW8082
QA/QC Surrogates							
% DCBP	102		%	03/30/12		MH	30 - 150 %
% TCMX	81		%	03/30/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-5

Phoenix I.D.: BB59504

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	9:30
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59505

Project ID: RUNKLE SCHOOL
Client ID: WP-5 DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1221	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1232	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1242	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1248	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1254	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1260	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1262	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1268	ND	1.0	ug	04/02/12		MH	SW8082
QA/QC Surrogates							
% DCBP	100		%	04/02/12		MH	30 - 150 %
% TCMX	82		%	04/02/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-5 DUP

Phoenix I.D.: BB59505

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	9:35
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59506

Project ID: RUNKLE SCHOOL
Client ID: WP-6

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1221	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1232	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1242	*	1.0	ug	04/02/12		MH	SW8082
PCB-1248	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1254	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1260	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1262	ND	1.0	ug	04/02/12		MH	SW8082
PCB-1268	ND	1.0	ug	04/02/12		MH	SW8082
Total PCBs	2.7	1.0	ug	04/02/12		MH	SW8082
QA/QC Surrogates							
% DCBP	106		%	04/02/12		MH	30 - 150 %
% TCMX	97		%	04/02/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-6

Phoenix I.D.: BB59506

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

* For PCBs, as per section 11.9.3, when weathering of PCBs is present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles aroclor 1242.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	9:40
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59507

Project ID: RUNKLE SCHOOL
Client ID: WP-7

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	98		%	03/29/12		MH	30 - 150 %
% TCMX	78		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	9:45
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59508

Project ID: RUNKLE SCHOOL
Client ID: WP-8

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	100		%	03/29/12		MH	30 - 150 %
% TCMX	82		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-8

Phoenix I.D.: BB59508

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	9:50
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59509

Project ID: RUNKLE SCHOOL
Client ID: WP-9

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	97		%	03/29/12		MH	30 - 150 %
% TCMX	77		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-9

Phoenix I.D.: BB59509

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:00
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59510

Project ID: RUNKLE SCHOOL
Client ID: WP-10

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	100		%	03/29/12		MH	30 - 150 %
% TCMX	85		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:05
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59511

Project ID: RUNKLE SCHOOL
Client ID: WP-11

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	98		%	03/29/12		MH	30 - 150 %
% TCMX	83		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-11

Phoenix I.D.: BB59511

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:10
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59512

Project ID: RUNKLE SCHOOL
Client ID: WP-12

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	97		%	03/29/12		MH	30 - 150 %
% TCMX	82		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:15
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59513

Project ID: RUNKLE SCHOOL
Client ID: WP-13

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	99		%	03/29/12		MH	30 - 150 %
% TCMX	82		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-13

Phoenix I.D.: BB59513

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:20
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59514

Project ID: RUNKLE SCHOOL
Client ID: WP-14

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	91		%	03/29/12		MH	30 - 150 %
% TCMX	80		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-14

Phoenix I.D.: BB59514

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:25
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59515

Project ID: RUNKLE SCHOOL
Client ID: WP-15

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	100		%	03/29/12		MH	30 - 150 %
% TCMX	86		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-15

Phoenix I.D.: BB59515

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:30
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59516

Project ID: RUNKLE SCHOOL
Client ID: WP-16

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	96		%	03/29/12		MH	30 - 150 %
% TCMX	82		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:40
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59517

Project ID: RUNKLE SCHOOL
Client ID: WP-17

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	98		%	03/29/12		MH	30 - 150 %
% TCMX	83		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:45
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59518

Project ID: RUNKLE SCHOOL
Client ID: WP-18

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	96		%	03/29/12		MH	30 - 150 %
% TCMX	81		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-18

Phoenix I.D.: BB59518

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:50
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59519

Project ID: RUNKLE SCHOOL
Client ID: WP-19

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	97		%	03/29/12		MH	30 - 150 %
% TCMX	83		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-19

Phoenix I.D.: BB59519

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	10:55
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59520

Project ID: RUNKLE SCHOOL
Client ID: WP-20

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	98		%	03/29/12		MH	30 - 150 %
% TCMX	78		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-20

Phoenix I.D.: BB59520

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	11:00
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59521

Project ID: RUNKLE SCHOOL
Client ID: WP-20 DUP

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/30/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/30/12		MH	SW8082
QA/QC Surrogates							
% DCBP	105		%	03/30/12		MH	30 - 150 %
% TCMX	80		%	03/30/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-20 DUP

Phoenix I.D.: BB59521

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	11:05
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59522

Project ID: RUNKLE SCHOOL
Client ID: WP-21

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	106		%	03/29/12		MH	30 - 150 %
% TCMX	83		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	11:10
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59523

Project ID: RUNKLE SCHOOL
Client ID: WP-22

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	97		%	03/29/12		MH	30 - 150 %
% TCMX	77		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-22

Phoenix I.D.: BB59523

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	11:15
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59524

Project ID: RUNKLE SCHOOL
Client ID: WP-23

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	109		%	03/29/12		MH	30 - 150 %
% TCMX	88		%	03/29/12		MH	30 - 150 %

Project ID: RUNKLE SCHOOL
Client ID: WP-23

Phoenix I.D.: BB59524

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director

April 05, 2012

Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
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Analysis Report

April 05, 2012

FOR: Ms. Susan Cahalan
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	WIPE	Collected by:		03/27/12	11:20
Location Code:	CDW-PCB	Received by:	LB	03/28/12	18:00
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBB59500
Phoenix ID: BB59525

Project ID: RUNKLE SCHOOL
Client ID: WP-24

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB Wipe Extraction	Completed			03/28/12		BQ/K	SW-3540C
Polychlorinated Biphenyls							
PCB-1016	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1221	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1232	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1242	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1248	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1254	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1260	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1262	ND	1.0	ug	03/29/12		MH	SW8082
PCB-1268	ND	1.0	ug	03/29/12		MH	SW8082
QA/QC Surrogates							
% DCBP	101		%	03/29/12		MH	30 - 150 %
% TCMX	82		%	03/29/12		MH	30 - 150 %

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

Phyllis Shiller, Laboratory Director
April 05, 2012
Reviewed and Released by: Johanna Harrington, Project Manage

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

April 05, 2012

QA/QC Data

SDG I.D.: GBB59500

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 196859, QC Sample No: BB57723 (BB59500, BB59501, BB59502, BB59503, BB59504, BB59505, BB59506, BB59507, BB59508, BB59509, BB59510, BB59511, BB59512)									
Polychlorinated Biphenyl									
PCB-1016	ND	96	99	3.1				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	94	97	3.1				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	96	92	94	2.2				30 - 150	20
% TCMX (Surrogate Rec)	84	81	80	1.2				30 - 150	20
Comment:									
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.									
QA/QC Batch 197156, QC Sample No: BB59514 (BB59514, BB59515, BB59516, BB59517, BB59518, BB59519, BB59520, BB59521, BB59522, BB59523, BB59524, BB59525)									
Polychlorinated Biphenyl									
PCB-1016	ND	93	98	5.2				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	98	103	5.0				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	107	107	107	0.0				30 - 150	20
% TCMX (Surrogate Rec)	75	79	83	4.9				30 - 150	20
Comment:									
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.									
QA/QC Batch 197157, QC Sample No: BB59540 (BB59513)									
Polychlorinated Biphenyl									
PCB-1016	ND	93	94	1.1				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	106	105	0.9				40 - 140	20

QA/QC Data

SDG I.D.: GBB59500

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	112	108	103	4.7				30 - 150	20
% TCMX (Surrogate Rec)	83	77	80	3.8				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
April 05, 2012

CHAIN OF CUSTODY RECORD

Temp 4°C Pg 1 of 4

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #:
☒ Email: sahalan@cdwconsultants.com

Customer: CDW consultants
Address: 40 Speen St Suite 301 Framingham MA

Project: Runkle School
Report to: Susan Sahalan
Invoice to: CDW

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 3/27/12

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
SE=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request: 8260 Soxhlet

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
59500	WP-1	W	3/27/12	0900	X					X				
59501	WP-2			0905	X					X				
59502	WP-3			0915	X					X				
59503	WP-4			0920	X									
59504	WP-5			0930	X									
59505	WP-5 DUP			0930	X									
59506	WP-6			0935	X									
59507	WP-7			0940	X									
59508	WP-8			0945	X									
59509	WP-9			0950	X									
59510	WP-10			1000	X									
59511	WP-11	↓	↓	1005	X									

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3/27/12	16:10
[signature]	[signature]	3/28/12	1800

Comments, Special Requirements or Regulations:
TSCA Detection

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: MA

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES

CHAIN OF CUSTODY RECORD

Temp 4°C Pg 2 of 4

PHOENIX *Environmental Laboratories, Inc.*

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery:
☐ Fax #: _____
☐ Email: _____

Customer: See Pg 1 Project: _____ Project P.O: _____
Address: _____ Report to: _____ Phone #: _____
_____ Invoice to: _____ Fax #: _____

Sampler's Signature: _____ Date: 3/27/12

Client Sample - Information - Identification

Analysis Request: PCB TSCA Level

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
SE=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
59512	WP-13	W	3/27/12	1010	X						1			
59513	WP-13			1015	X						1			
59514	WP-14			1020	X						1			
59515	WP-15			1025	X						1			
59516	WP-16			1030	X						1			
59517	WP-17			1040	X						1			
59518	WP-18			1045	X						1			
59519	WP-19			1050	X						1			
59520	WP-20			1055	X						1			
59521	WP-20DUP			1100	X						1			
59522	WP-21			1105	X						1			
59523	WP-22	↓	↓	1110	X						1			

Relinquished by:	Accepted by:	Date:	Time:
		3/27/12	1810
		3-28-12	1800

Comments, Special Requirements or Regulations:
TSCA Detection Limits

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

RI
☐ Direct Exposure (Residential)
☐ GW
☐ Other

CT
☐ RCP Cert
☐ GW Protection
☐ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

State where samples were collected: MA

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☐ Other

* SURCHARGE APPLIES

CHAIN OF CUSTODY RECORD

PHOENIX Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 4°C Pg 3 of 4

Data Delivery:
- [ ] Fax #:
- [ ] Email:

Customer: See Pg 1
Address:

Project:
Report to:
Invoice to:

Project P.O:
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 3/27/12

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other

Analysis Request: PCB Soxhlet

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCB Soxhlet	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
59524	WP-23	W	3/27/12	1115	X				1						
59525	WP-24	↓	↓	1120	X				1						
59526	WP-25	↓	↓	1125	X				1						
59527	WP-25 dup	↓	↓	1135	X				1						
59528	WP-26	↓	↓	1145	X				1						
59529	WP-27	↓	↓	1150	X				1						
59530	WP-28	↓	↓	1155	X				1						
59531	WP-29	↓	↓	1200	X				1						
59532	WP-30	↓	↓	1210	X				1						
59533	WP-31	↓	↓	1215	X				1						
59534	WP-32	↓	↓	1216	X				1						
59535	WP-33	↓	↓	1220	X				1						

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	3/27/12	1610
[signature]	[signature]	3-28-12	1800

Comments, Special Requirements or Regulations:
TSCA Extraction

Turnaround:
- [ ] 1 Day*
- [ ] 2 Days*
- [ ] 3 Days*
- [x] Standard
- [ ] Other

* SURCHARGE APPLIES

RI
- [ ] Direct Exposure (Residential)
- [ ] GW
- [ ] Other

CT
- [ ] RCP Cert
- [ ] GW Protection
- [ ] SW Protection
- [ ] GA Mobility
- [ ] GB Mobility
- [ ] Residential DEC
- [ ] I/C DEC
- [ ] Other

MA
- [ ] MCP Certification
- [ ] GW-1
- [ ] GW-2
- [ ] GW-3
- [ ] S-1
- [ ] S-2
- [ ] S-3
- [ ] MWRA eSMART
- [ ] Other

State where samples were collected: MA

Data Format
- [ ] Excel
- [ ] PDF
- [ ] GIS/Key
- [ ] EQuIS
- [ ] Other

Data Package
- [ ] Tier II Checklist
- [ ] Full Data Package*
- [ ] Phoenix Std Report
- [ ] Other

* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

Friday, October 12, 2012

Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Project ID: RUNKLE ELEMENTARY SCHOOL
Sample ID#s: BC78269 - BC78272

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 12, 2012

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		10/02/12	0:00
Location Code:	CDW-PCB	Received by:	LB	10/03/12	15:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	RUNKE SCHOOL				

Laboratory Data

SDG ID: GBC78269
Phoenix ID: BC78269

Project ID: RUNKLE ELEMENTARY SCHOOL
Client ID: AIR 1

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Extraction for PCB for Puff samples	Completed			10/04/12	BB/D/K	SW3540C
Polychlorinated Biphenyls						
PCB-1016	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1221	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1232	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1242	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1248	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1254	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1260	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1262	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1268	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
QA/QC Surrogates						
% DCBP	90		%	10/05/12	AW	30 - 150 %
% TCMX	75		%	10/05/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
October 12, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 12, 2012

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		10/02/12	0:00
Location Code:	CDW-PCB	Received by:	LB	10/03/12	15:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	RUNKE SCHOOL				

Laboratory Data

SDG ID: GBC78269
Phoenix ID: BC78270

Project ID: RUNKLE ELEMENTARY SCHOOL
Client ID: AIR 2

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Extraction for PCB for Puff samples	Completed			10/04/12	BB/D/K	SW3540C
Polychlorinated Biphenyls						
PCB-1016	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1221	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1232	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1242	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1248	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1254	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1260	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1262	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1268	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
QA/QC Surrogates						
% DCBP	95		%	10/05/12	AW	30 - 150 %
% TCMX	77		%	10/05/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
October 12, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 12, 2012

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		10/02/12	0:00
Location Code:	CDW-PCB	Received by:	LB	10/03/12	15:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	RUNKE SCHOOL				

Laboratory Data

SDG ID: GBC78269
Phoenix ID: BC78271

Project ID: RUNKLE ELEMENTARY SCHOOL
Client ID: AIR 3

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Extraction for PCB for Puff samples	Completed			10/04/12	BB/D/K	SW3540C
Polychlorinated Biphenyls						
PCB-1016	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1221	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1232	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1242	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1248	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1254	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1260	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1262	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1268	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
QA/QC Surrogates						
% DCBP	90		%	10/05/12	AW	30 - 150 %
% TCMX	79		%	10/05/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
October 12, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

October 12, 2012

FOR: Ms. Kathy Campbell, PE, LSP, LEED, AP
CDW Consultants, Inc
40 Speen Street
Suite 301
Framingham, MA 01701

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:		10/02/12	0:00
Location Code:	CDW-PCB	Received by:	LB	10/03/12	15:23
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	RUNKE SCHOOL				

Laboratory Data

SDG ID: GBC78269
Phoenix ID: BC78272

Project ID: RUNKLE ELEMENTARY SCHOOL
Client ID: AIR 4

Parameter	Result	RL/ PQL	Units	Date/Time	By	Reference
Extraction for PCB for Puff samples	Completed			10/04/12	BB/D/K	SW3540C
Polychlorinated Biphenyls						
PCB-1016	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1221	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1232	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1242	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1248	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1254	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1260	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1262	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
PCB-1268	ND	0.05	ug/m3	10/05/12	AW	EPA TO10A
QA/QC Surrogates						
% DCBP	99		%	10/05/12	AW	30 - 150 %
% TCMX	82		%	10/05/12	AW	30 - 150 %

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
October 12, 2012
Reviewed and Released by: Johanna Harrington, Project Manager

Sample Criteria Exceedences Report

GBC78269 - CDW-PCB

Requested Criteria: None

State: MA

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6 (corrected) Pg 1 of 1

Data Delivery:
☐ Fax #: _____
☐ Email: _____

Customer: CDM Consultants
Address: 40 Speen St Suite 301 Framingham MA 01701

Project: Runkle Elementary School
Report to: Susan Canale
Invoice to: CDM

Project P.O: Linkle School
Phone #:
Fax #:

Client Sample - Information - Identification

Sampler's Signature _____ Date: 10/2/12

Matrix Code:
DW=drinking water **WW**=wastewater **S**=soil/solid **O**=oil
GW=groundwater **SL**=sludge **A**=air **X**=other

Analysis Request: TO-10A EPA. PUF

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Soil VOA Vials [ ]	methanol [ ]	Sod Bisulfate	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ]	As is [ ]	HCl	GL Amber 1000ml [ ]	As is [ ]	H2SO4	PL As is [ ] 250ml [ ]	PL H2SO4 [ ] 250ml [ ]	500ml [ ]	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
78269	Air-1	A	10-1/10-2	24hr	X											1					
78270	Air-2	A	↓	↓	X											1					
78271	Air-3	A			X											1					
78272	Air-4	A			X											1					

Relinquished by:	Accepted by:	Date:	Time:
		10/3/12	1523

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

CT/RI
☐ RCP Cert
☐ GW Protect
☐ GA Mobility
☐ GB Mobility
☐ SW Protection
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other _____

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

State where samples were collected: MA

Comments, Special Requirements or Regulations:
Please Report Homolog and Aroclors.
Air-1 = 7,000 L
Air-2 = 7,125 L
Air-3 = 7,100 L
Air-4 = 7,000 L.